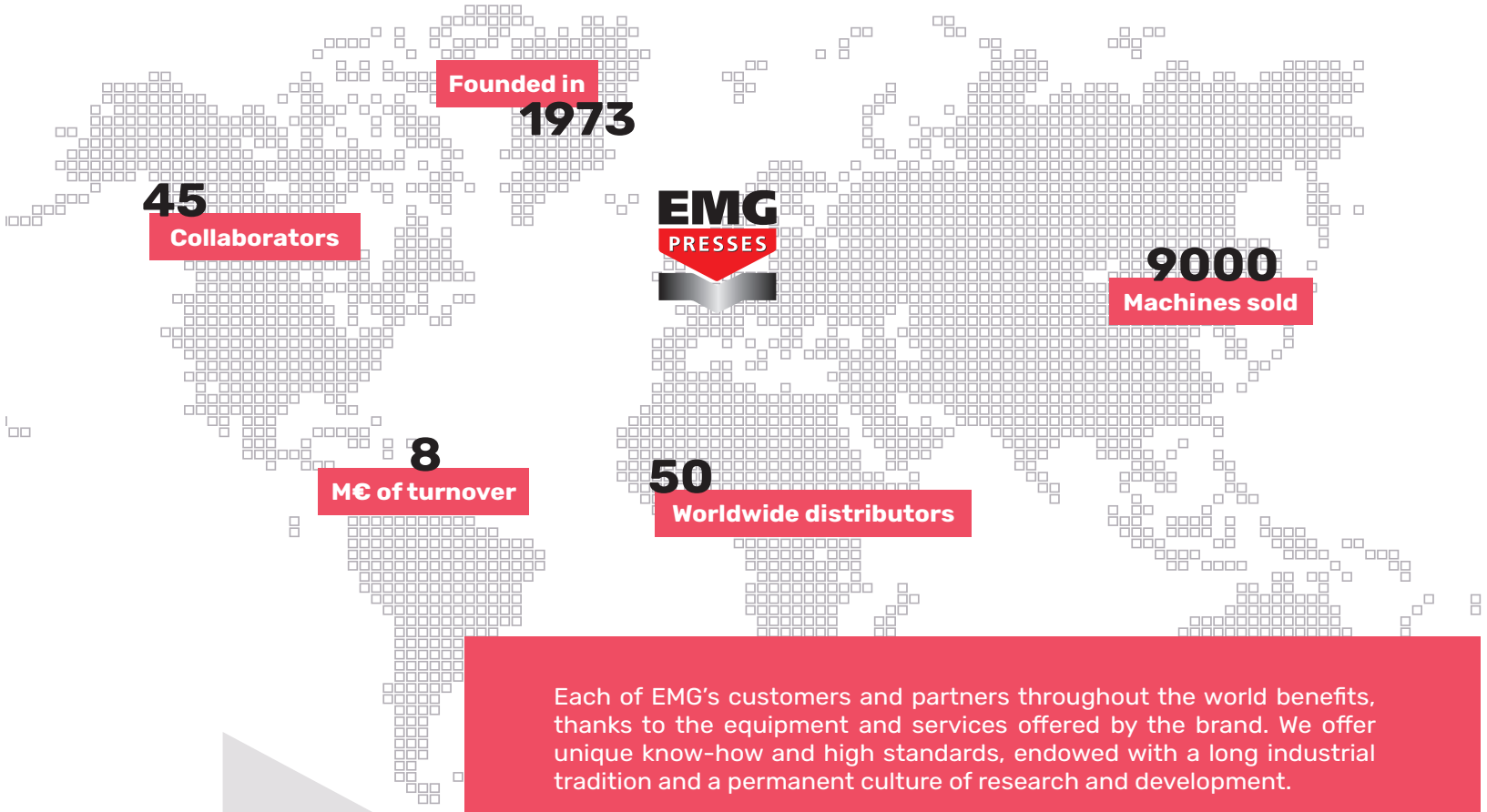
PRESSES RANGING FROM 440 LBS TO 88 TONS

Manual /
Pneumatic /
Hydro-pneumatic /
Mechanical eccentric /
Impactor Marking /

Efficient **Solutions** for Demanding **Applications**

EMG PRESSES

Present across 5 continents with a strong and reliable chain of distributors, manufacturers or retailers selected by EMG who are locally recognized for their experience and quality-orientated service.



Each of EMG's customers and partners throughout the world benefits, thanks to the equipment and services offered by the brand. We offer unique know-how and high standards, endowed with a long industrial tradition and a permanent culture of research and development.

La FRENCH FAB

ISO 9001
for more than 20 years

99.4%
of waste recycled

SUMMARY

A Mark of Excellence in Productivity

EMG has earned its reputation of excellence thanks to its integrated design and production methods and a solid technological prowess. This is backed up by an efficient distribution network, in compliance with the expectations of manufacturers.

Benefitting from a strategy dedicated to quality and active search of performances, EMG equipments ensures competitivity, reliability and durability which are the core values for productivity of companies in numerous industries:

- Watchmaking, jewellery,
- Mechanical optics,
- Electrical equipment,
- Automotive industry,
- Electrical goods, toys,
- Locksmithing...

Developing breakthrough technology for the last 60 years

A manufacturer with a well-recognized expertise, EMG has developed, for the last 3 generations, a wide range of products and services appreciated by manufacturers all around the world.

"Some important points" from standard to custom-made

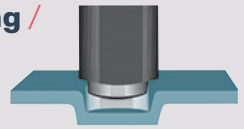
The various operations are executed carefully thanks to the power reserve of each model and a very rigorous and precise assembly.

Integrated production and skills

The production workshops facilitate integrated production, this is ensured by a multidisciplinary team proficient in all production steps from A-Z. From designing to complex mechanical operations and assembly with precision, going through various machining operations: milling, turning, surface or cylindrical grinding.

EMG also integrates thermal or surface treatment, mechanised welding with machining, or paint.

Drawing /



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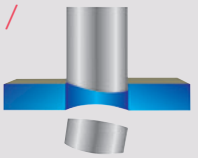

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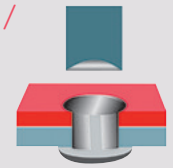

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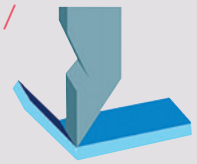
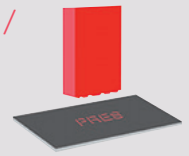
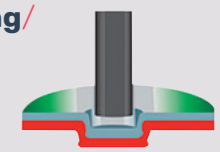


Pressing /

Marking /



Assembling /



EMG test space for your samples

EMG proposes for its customers a showroom and test laboratory related to the production workshops, at its headquarters. This is to allow demonstrations and for customers to use and handle all our models.

It is this department where all the tests on presses are carried out from the samples submitted by our customers and potential customers.

IN VIDEO

Manual Rack Presses

from 440 to 11.000 lbs

Power available depending on the force applied to the lever arm

MANUAL RACK PRESSES	2HR	3HR	4HR 4HRLP	4HR C-MAX	14HR	18HR	50HR 50HRLP	50HR LPTR
Static power exerted on the lever in lbs	Power restored by the press in the direction of the slider in lbs							
11	77	132	198	198	243	419	772	772
22	165	265	397	397	485	838	1 543	1 543
33	243	397	595	595	728	1 257	2 315	2 315
44	331	529	794	794	970	1 676	3 086	3 086
55	408	661	992	992	1 213	2 094	3 858	3 858
Static power exerted on the lever in lbs	440	880	1 320	1 320	3 090	3 970	11 020	11 020

Manual Rack Presses
from 440 to 1.320 lbs

Rack Presses
2HR - 3HR - 4HR - 4HRLP - 4HR C-MAX

The power is linear and constant over the whole travel according to the applied load on the lever.

These presses are robust, accurate, flexible and ergonomic. These are frequently used for assembly, connections of rings or bearings, small forms, various crimping operations, etc...

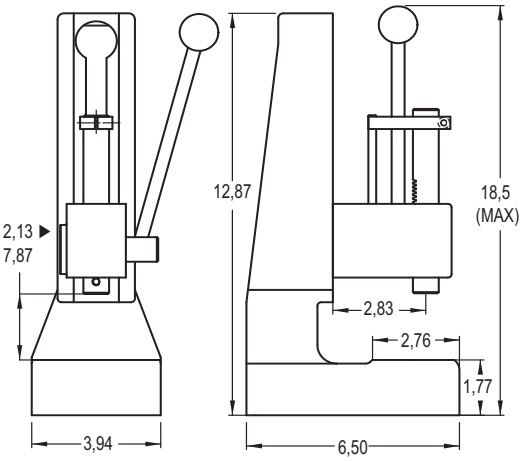
- Slider adjusted and locked for rotation, ensuring longevity and precision.
- Automatic raising of the slider by spring (adjustable tension, except 2HR).
- Quick and reliable adjustment of the clear height.
- Accurate adjustment of bottom dead center by a mechanical stop ensuring the repetitiveness of the cycle.
- Adjustment of the starting position of the lever in order to optimize ergonomy of the press.
- Base support and press head made of FGL 250 cast iron, thus ensuring robustness and rigidity.
- Predisposition for fixation on a bench.
- No maintenance, no greasing.
- Paint: Frame in sky blue, RAL 5015
  Sky Blue paint RAL 7036.

TECHNICAL CHARACTERISTICS:

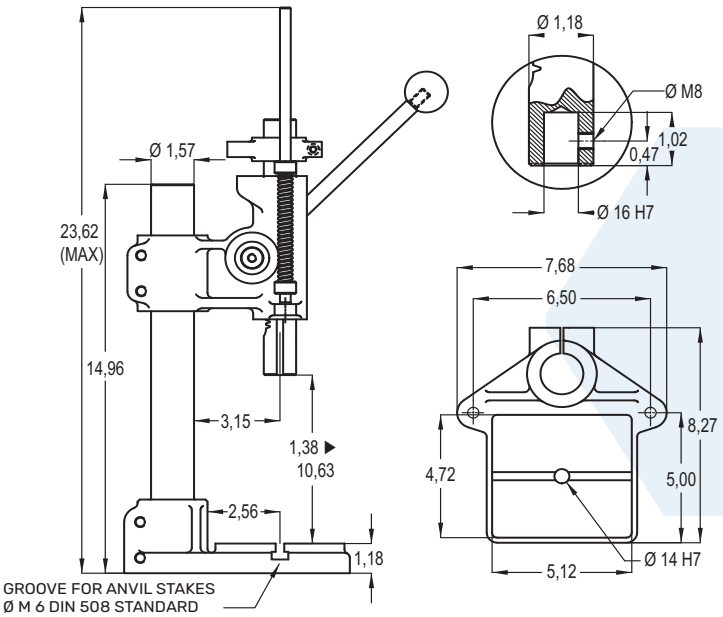
	2HR	3HR	4HR	4HRLP	4HR C-MAX
Power (lbs)	440	880	1320	1320	1320
Travel (inch)	0 ▸ 1,9	0 ▸ 3,1	0 ▸ 3,9	0 ▸ 3,9	0 ▸ 3,9
Adjustable clear height (inch)	2,1 ▸ 7,8	1,3 ⍁ 10,6	1,8 ▸ 11,0	1,1 ▸ 15,7	3,7 ▸ 12,0
Swan-neck depth (inch)	2,80	3,10	3,70	6,10	13,70
Angle of rotation per 0,1 inch of travel	11,6°	10,2°	8,5°	8,5°	8,5°
Slider bore (mm x inch)	10H7 x 0,9	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0
Table bore (mm)	14H7	14H7	14H7	14H7	14H7
Table (inch)	3,9 x 2,7	5,1 x 4,7	6,3 x 5,7	8,2 x 8,6	9,8 x 9,8
Weight (lbs)	18	37	53	84	209

Manual Rack Presses
from 440 to 1.320 lbs

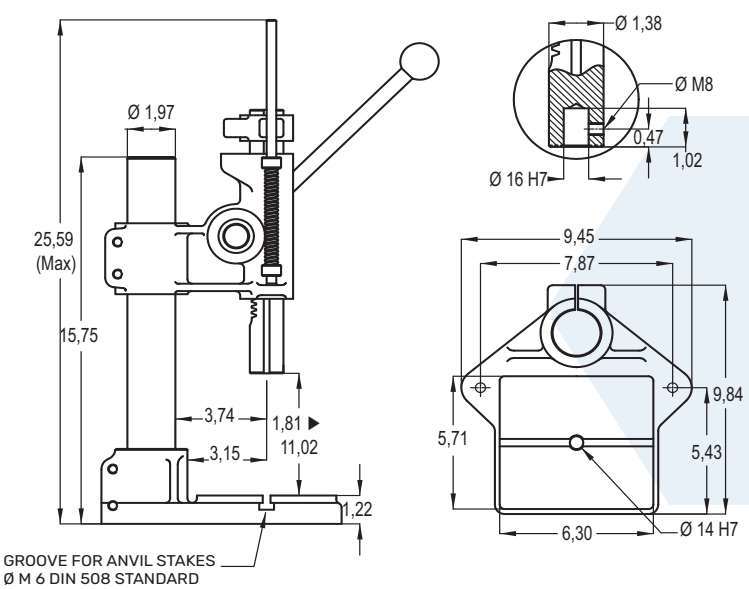
2HR



3HR

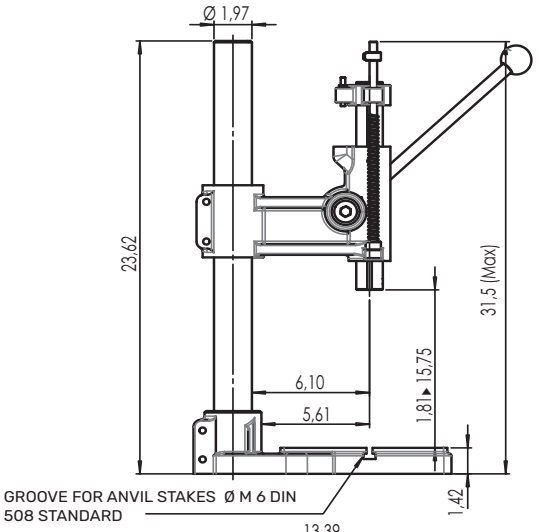


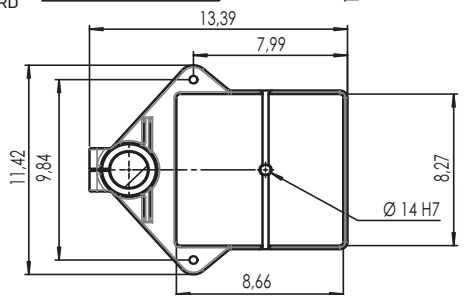
4HR

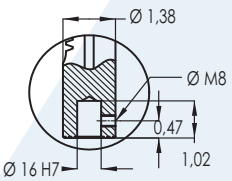


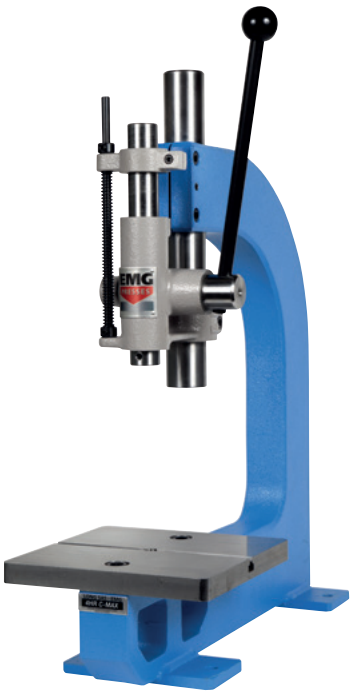
Manual Rack Presses
from 440 to 1.320 lbs

4HRLP

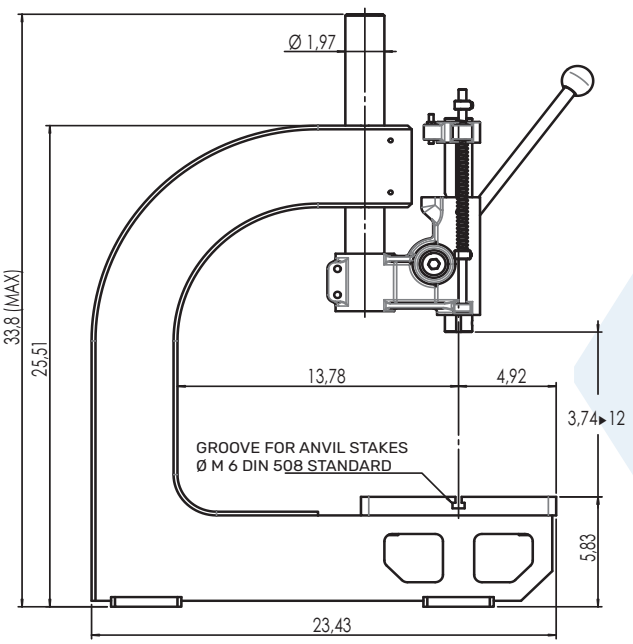


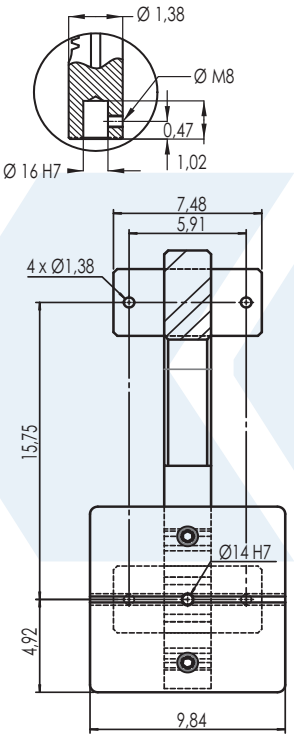






4HR C-MAX





Options

COUNTER

5 digit counter with reset function.

COLLET

Collet chuck with ER25 collet for Ø0.06 to Ø0.63 ich shank (Ø to be selected).

BDC MICROMETRIC ADJUSTMENT

Bottom dead center adjustment system, graduated every 0.001 inch.

CAPSTAN: TRAVEL + 3.9 INCHES, CLEAR HEIGHT INCREASED

For bigger parts, possibility to increase the 3.9 inch travel (on the 4HR model), change the column to increase the clear height and replace the level by a 3-arm capstan.

4HR press with 7.8inch travel, clear height +23.6 inch and 3-arm capstan.

QUALITY CONTROL BY FORCE AND/OR DISPLACEMENT SENSORS

EMG proposes management solutions regarding force and/or displacement thanks to its force and displacement sensor solutions which can be adapted as per the requirement for a 100% control.

See pages 20-21

NON RETURN SYSTEM

Non return system: does not release the lever until the end of travel (ensures complete and repeatable execution of the operation).

Working stroke : from 0 to 3.5 inch.

ANVIL STAKES

Set of 2 anvil stakes for securing the tools in T slots.

Additional options / / /

- On request: special bores, press head only.
- Special RAL paint.
- Locking of the press head on the column for rotation.
- Special services on request (press modifications, small tooling and fitting).

See pages 48 to 51

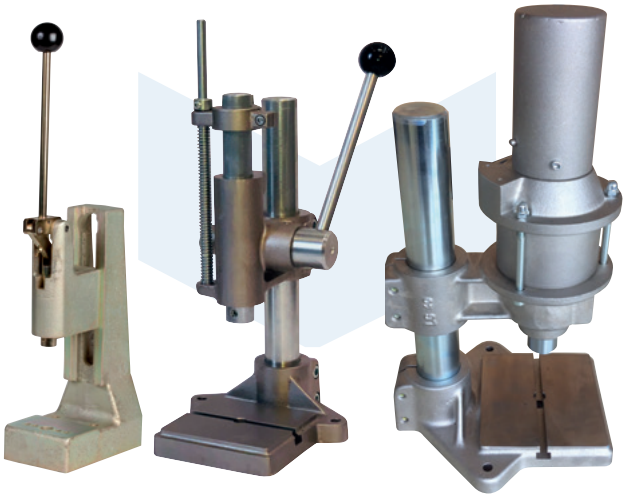
Manual Rack Presses
HYGIENIC VERSIONS

Zinc/nickel Version Press

Fully zinc-plated and/or nickel-plated laboratory press.

These treatments are the most commonly used in the world of anticorrosion. It is a question of taking advantage of their exceptional properties to protect a part against external aggressions.

Ideal for use of the press in “Salt Spray” type atmospheres or to avoid pollution of a laboratory by the standard paint and/or lubrication of our machines.



Press Version, Stainless Steel

These special presses are made in a very careful construction with pickled and passivated external welds and external polishing.

Stainless steel is required by the food, pharmaceutical, parachemical and cosmetic industries for obvious hygiene reasons, as the production environment is subject to repeated and powerful cleaning to avoid contamination.

High Force Capacity Manual Rack Presses
from 3,000 to 11,000lbs

High Force Capacity Manual Rack Presses
14HR - 18HR - 50HR - 50HRLP - 50HRLPTR

The power is linear and constant over the whole travel according to the applied load on the capstan.

These models complete the range of rack presses. These presses, strongly built, propose significant power throughout the travel thanks to the high quality tempered steel pinions.

These models are used for assembly, connections and deep fitting, especially for applications requiring a significant travel and/or a significant clear height.

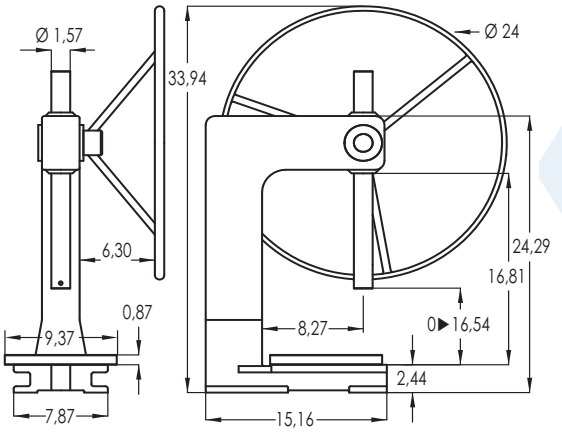
- Control by 3-arm capstan or wheel.
- Slider adjusted and locked for rotation, ensuring longevity and precision.
- Tempered steel pinion.
- Cast iron or mechanically welded frame ensuring robustness and rigidity.
- Option for fixation on a bench.
- Removable circular table.
- Maintenance by grease nipple.
- Sky Blue paint - RAL 5015.

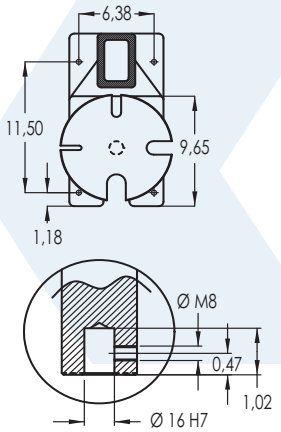
TECHNICAL CHARACTERISTICS:

	14HR	18HR	50HR	50HRLP	50HRLPTR
Power (lbs)	3000	3950	11000	11000	11000
Travel (inch)	0 ▸ 16,5	0 ▸ 16,5	0 ▸ 20,8	10,6 ▸ 31,5	20,8
Clear height (inch)	16,5	16,5	20,8	31,5	16,3 ▸ 39,9
Swan-neck depth (inch)	8,2	8,2	9,8	12,2	11,8
Angle of rotation per 0,1 inch of travel	7,6°	24,7°	30,5°	30,5°	30,5°
Slider bore (mm x inch)	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0
Table (inch)	9,4 x 8,6	9,4 x 8,6	8,2 x 9,8	9,8 x 14,1	9,8 x 14,1
Table recess (inch)	2.1 x 3.5	2.1 x 3.5	2.8 x 4	3.5 x 4.5	3.5 x 4.5
Ø rotating table	9,3	9,3	9,3	9,3	9,3
Weight (lbs)	100	110	320	320	460

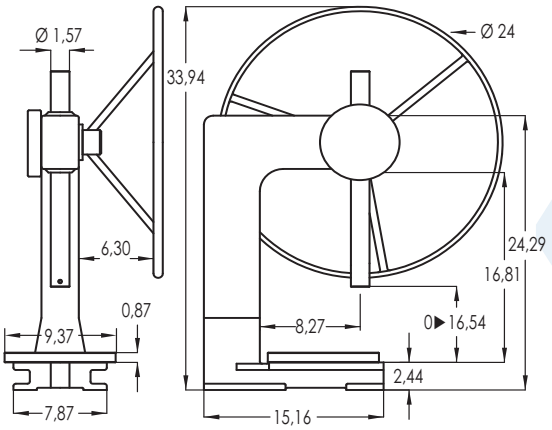
High Force Capacity Manual Rack Presses
from 3,000 to 11,000lbs

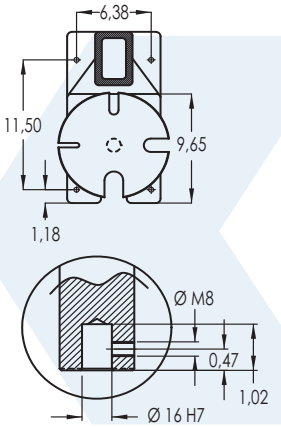
14HR



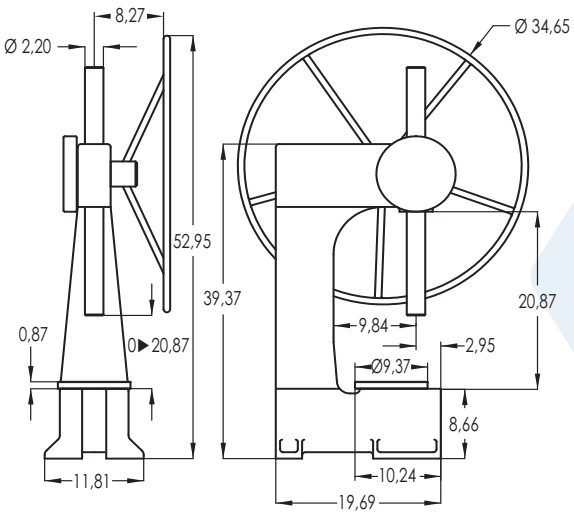


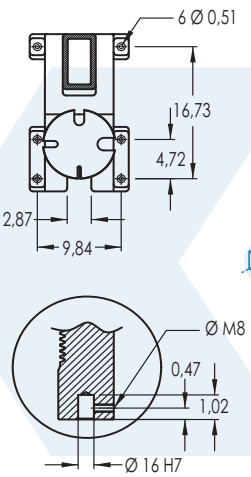
18HR





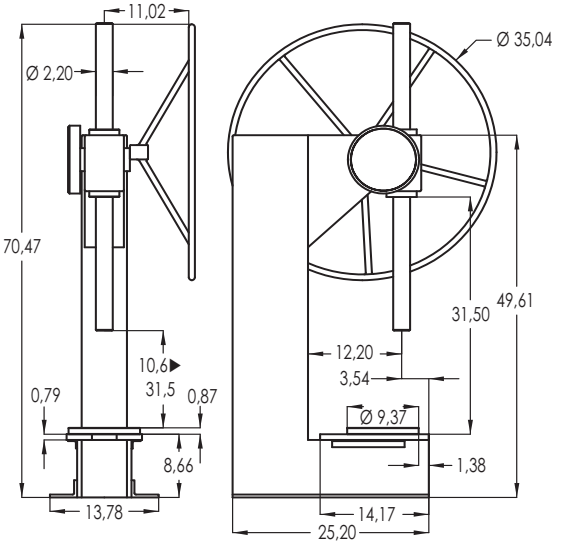
50HR

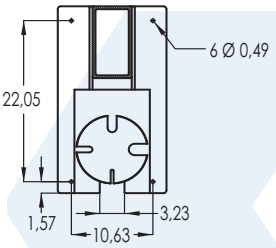


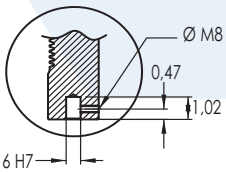


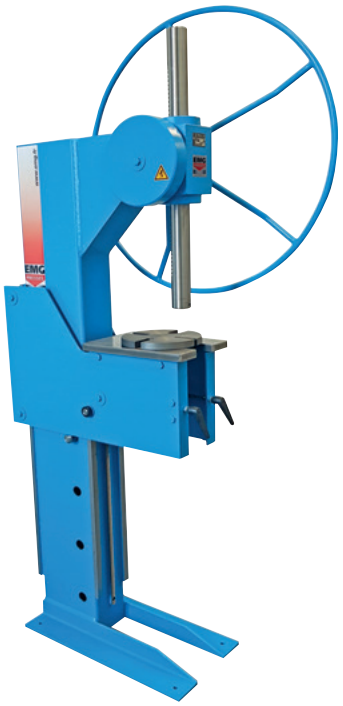
High Force Capacity Manual Rack Presses
from 3,000 to 11,000lbs

50HRLP

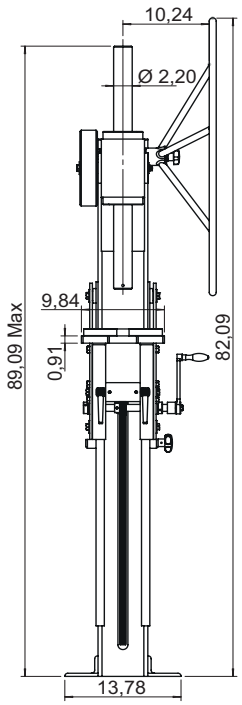


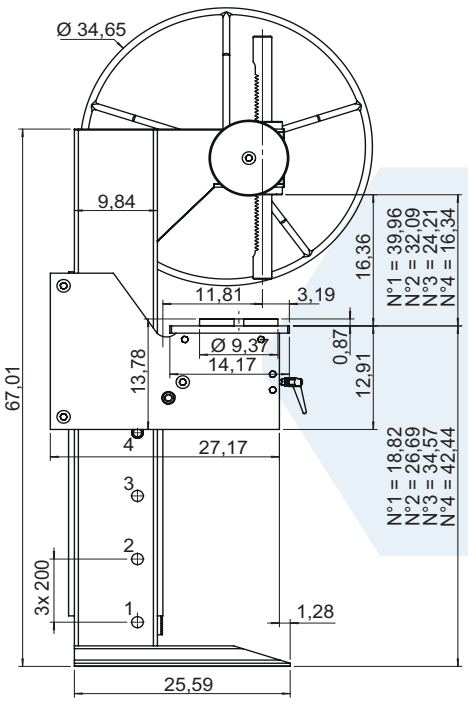


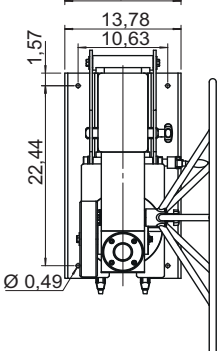


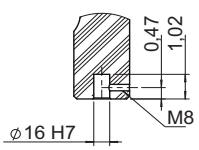


50HRLPTR









Options

SUPPORT BASE FOR 14HR OR 18HR PRESSES

The press support base for the 14HR and 18HR models allows you to design an ergonomic workstation.

Its height is 33. inch (table/floor) and its size is 21.6 x 15.7 inch.

50HR PRESS SUPPORT BASE

The press support base for the 50HR model allows you to design an ergonomic workstation.
Its height is 27.2 inch (table/floor) and its size is 25.6 x 19.7 inch.

STROKE LIMITING COLLAR

The stroke limiting collar is a mechanical stop that limits the working stroke.

Special services

50HR LP PRESS, CLEAR HEIGHT 63 INCHES AND EFFORT REDUCTION SYSTEM ON THE WHEEL

EMG, manufacturer of industrial machines, offers special equipment made to measure, and perfectly adapted to the specifications and constraints of production

EN VIDÉO

Manual Toggle Presses

from 1.100 to 4.400 lbs

Manual Toggle Presses

5HR - 7HR - 15HR - 20HR
7HR C-MAX - 15HR LP - 20HR LP

The maximum power is obtained at the end of travel according to the applied load on the lever.

These presses are robust, accurate, flexible and ergonomic. These are frequently used for assembly, connection of rings or bearings, small forms, various crimping operations, etc.

- Slider adjusted and locked for rotation, ensuring longevity and precision.
- Automatic raising of slider by spring
- Quick and reliable adjustment of the clear height.
- Accurate adjustment of bottom dead center by a mechanical stop ensuring the repetitiveness of the cycle.
- Base support and press head made of FGL 250 cast iron, thus ensuring robustness and rigidity.
- No maintenance, no greasing.
- Option for fixation on a bench.
- Paint: Light blue RAL 5015 frame - Platinum grey RAL 7036 press head.

Manual Toggle Presses
from 1.100 to 4.400 lbs




TECHNICAL CHARACTERISTICS:

	5HR	7HR	15HR	20HR
Power (lbs)	1100	1540	3300	4400
Travel (inch)	1,9	1,5	1,1 / 2,3	2,3
Adjustable clear height (inch)	1,6 ▸ 7,2	1,3 ▸ 10,2	2,3 ▸ 9,8	4,7▸ 11
Swan-neck depth (inch)	2,8	3,7	4,0	5,1
Slider bore (mm x inch)	10H7x0,9	16H7 x 1,0	16H7 x 1,0	16H7 x 1,0
Table bore (mm)	14H7	14H7	32H7	32H7
Table (inch)	3,9x2,7	6,3x5,7	7,8x7,1	8,6x7,8
Max. angle of rotation of the lever	90°	90°	90°	90°
Weight (lbs)	20	56	71	144

High Force Capacity Manual Toggle Presses
from 1.540 to 4.400 lbs

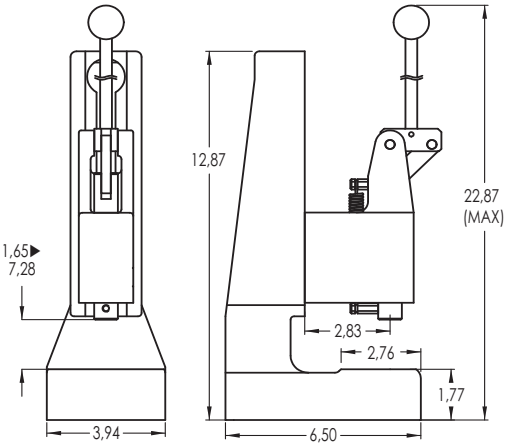


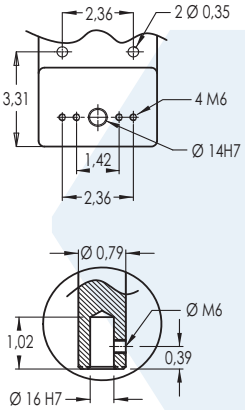
TECHNICAL CHARACTERISTICS:

	7HR C-MAX	15HRLP	20HRLP
Power (lbs)	1540	3300	4400
Travel (inch)	1,5	1,1 / 2,3	2,3
Adjustable clear height (inch)	3,1 ▸ 10,6	8,6 ▸ 11	9 ▸ 11,4
Swan-neck depth (inch)	13,7	8,6	9,8
Slider bore (mm x inch)	16H7x1	16H7x1	16H7x1
Table bore (mm)	14H7	32H7	32H7
Table (inch)	9,8x9,8	7,8x9,8	7,8x11,8
Max. angle of rotation of the lever	90°	90°	90°
Weight (lbs)	210	122	155

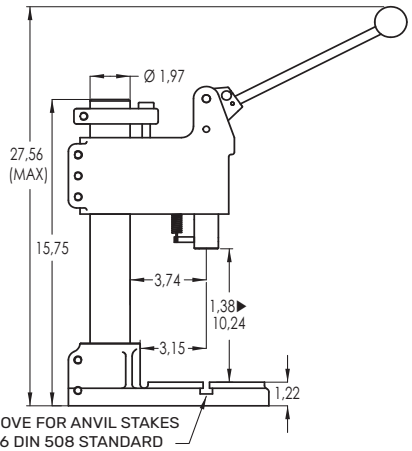
Manual Toggle Presses
from 1.100 to 4.400 lbs

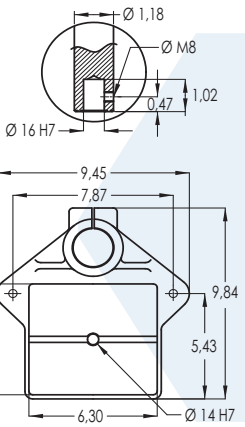
5HR



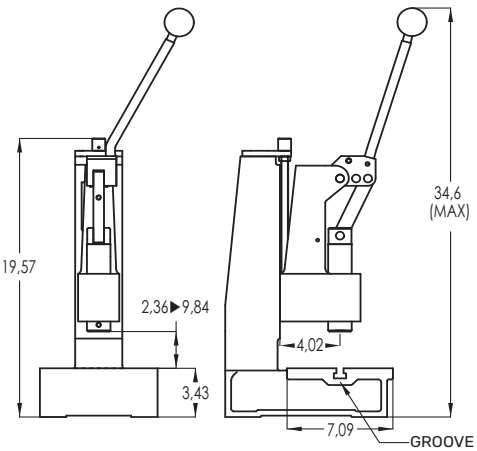


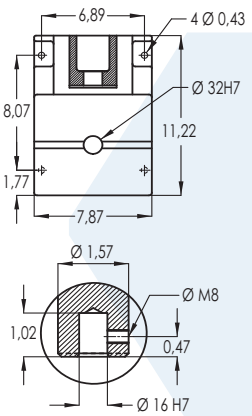
7HR



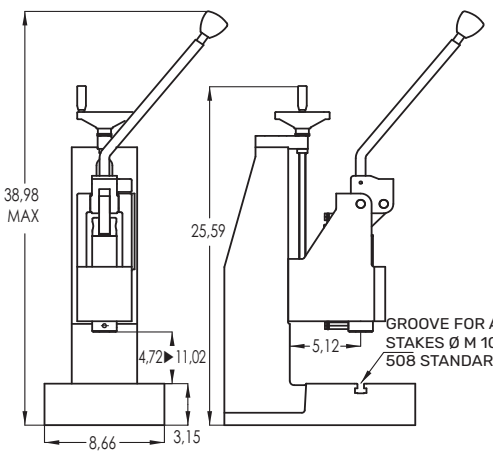


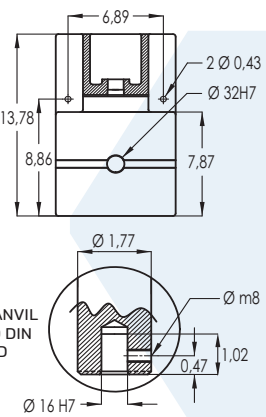
15HR





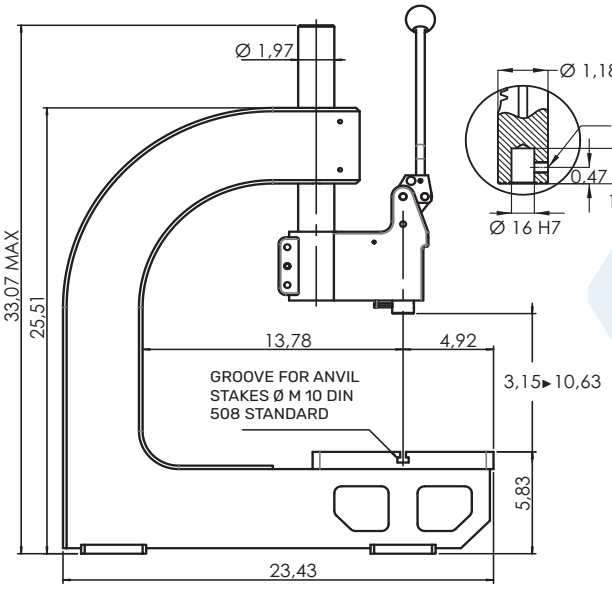
20HR

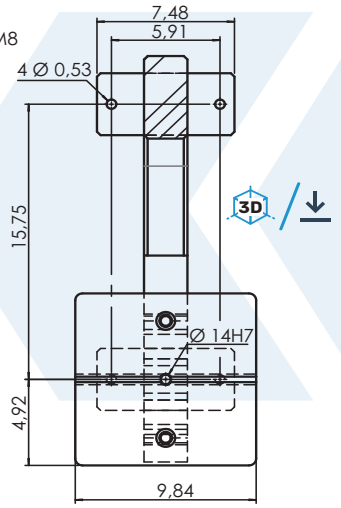




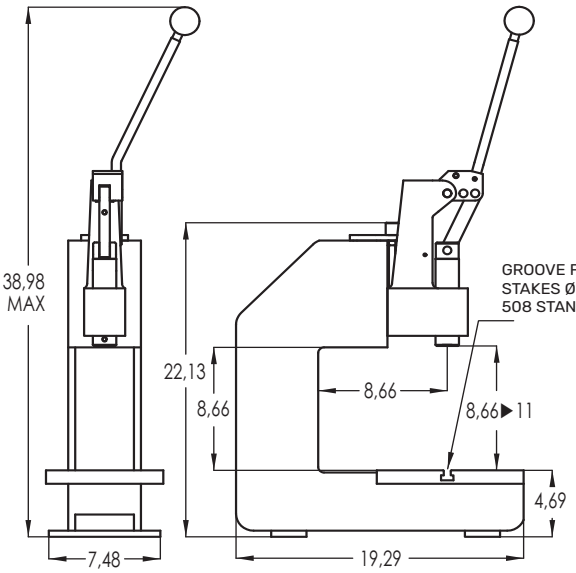
High Force Capacity Manual Toggle Presses
from 1.540 to 4.400 lbs

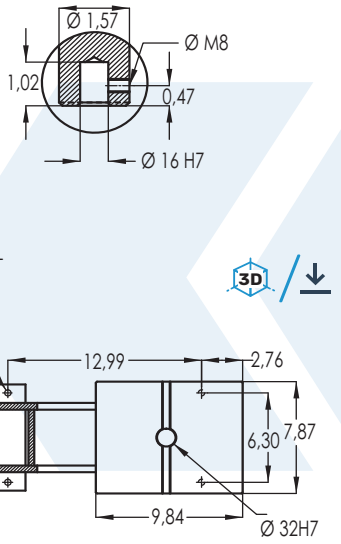
7HR C-MAX



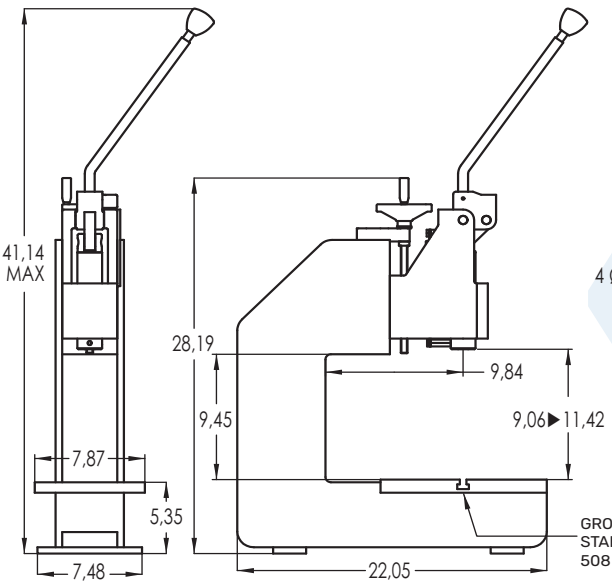


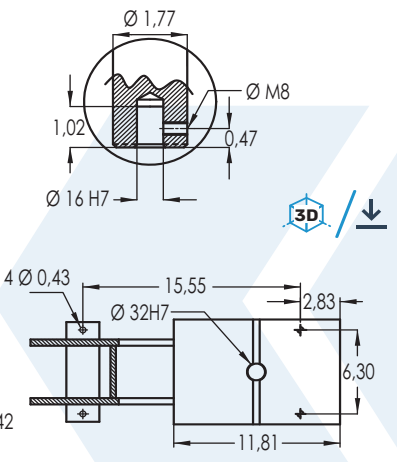
15HRLP





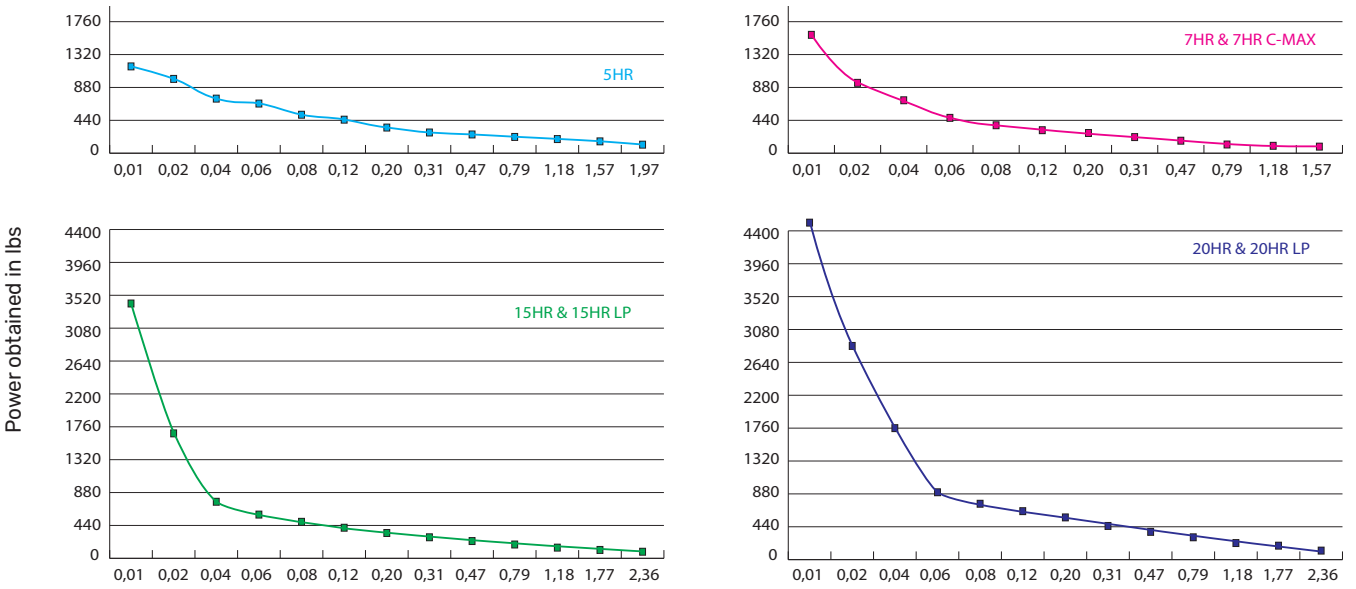
20HRLP





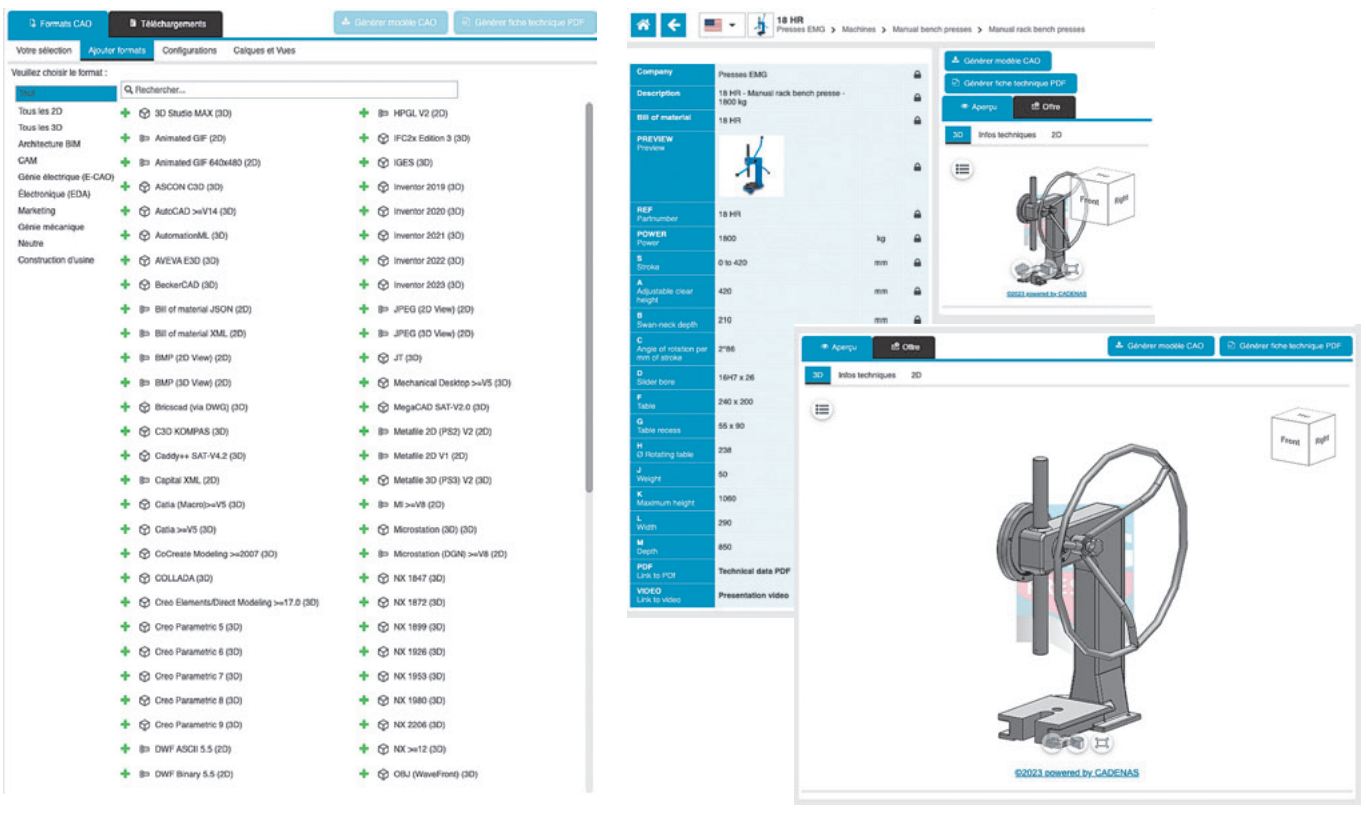
Manual Toggle Presses

Power exerted by the press with a force of 45 lbs at the center of the spherical knob and perpendicular to the lever of the press.



CAD/CAM

The 3D files of our manual and pneumatic presses are available online to easily integrate our machines into your tooling, layout and workstation ergonomics studies.



Options

COUNTER

5 digit counter with reset function.

BDC MICROMETRIC ADJUSTMENT

Bottom dead center adjustment system, graduated after every 0.001 inch.

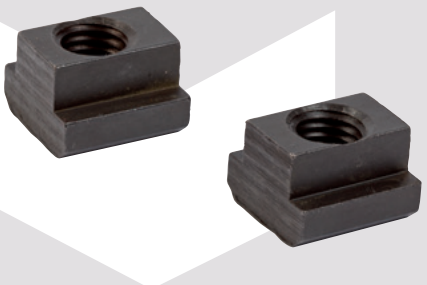
QUALITY CONTROL BY FORCE AND/OR DISPLACEMENT SENSORS

EMG proposes management solutions regarding force and/or displacement thanks to its force and displacement sensor solutions which can be adapted as per the requirement for a 100% control.

See pages 20-21

ANVIL STAKES

Set of 2 anvil stakes for securing the tools in T slots.



COLLET

Collet chuck with ER25 collet for Ø0.06 to Ø0.63 ich shank (Ø to be selected).

NON RETURN SYSTEM

Non return system: does not release the lever until the end of travel (ensures complete and repeatable execution of the operation).

PRESS VERSION ZINC/NICKEL PLATING AND INOX *SEE PAGE 9*

Additional options / / /

- On request: special bores, press head only.
- Special RAL paint.
- On 7HR: Locking of the press head on the column for rotation.
- Special services on request (press modifications, small tooling and fitting).

See pages 48 to 51

Force Monitoring
for Manual and Pneumatic Presses

EMG offers all types of force/ displacement monitoring thanks to force and displacement sensor solutions adapted to each need, for 100% parts control. It is the quality guaranteed by the monitoring of industrial processes:

- **> Permanent quality control**
- **> Product process control**
- **> Total traceability**
- **> Monitoring the production**

The quality assurance goes through a permanent process check.

The EMG presses, equipped with the force and / or displacement sensor allowing production of compliant parts from the beginning of the production process.

The detection of anomalies is immediate if the requested parameters are not reached, the monitoring unit delivers an «OK» or «NOK» message by means of an optical display, a sound signal, or by locking the press in position.

This signal allows the operator to immediately isolate the defected part.

The information is stored in the control unit and can be exported to a PC for analysis, statistics or archiving.

TABLE OF CHARACTERISTICS

EMG Solutions	Solution 1	Solution 2	Solution 3
Features			
Force management	☺	☺	☺
Distance management		☺	☺
Mini – maxi mode	☺	☺	☺
Pass or no pass mode			☺
Smiley OK / NOK or bar graph	☺	☺	☺
Buzzer	☺	☺	☺
Display of evaluation curves			☺
Effort versus time			☺
Window passage			☺
Enveloping curves			☺
Instantaneous values	☺	☺	☺
Nb of measurement / second	4000	4000	4000
Number of storable programs	1	6	96
Screen			
Display		5" touchscreen	
Resolution (pixels)	800*480	800*480	800*480
Plug and play function (TEDS)	☺	☺	☺
Force input Strain gauge	☺	☺	☺
Force input +/-10VDC		☺	☺
Potentiometric displacement input or +/-10VDC		☺	☺
TTL displacement input (Heidenhain pinout)		☺	☺
Keyboard emulation USB output	☺	☺	☺
USB input (key, QR scanner)		☺	☺
Ethernet output			☺
Clock with battery		☺	☺
Sequence Mode			☺
Inputs/outputs on external module	optional	optional	optional

Force Monitoring
for Manual and Pneumatic Presses

• Three standard solutions exist in the range.

• Specific solutions can be proposed according to customer needs.

Solution 1
Force + thresholds

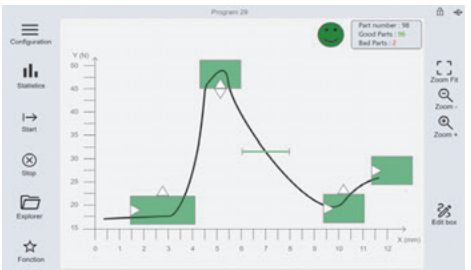
Solution 1 makes it possible to evaluate the force instantaneously or by pre-setting a minimum and maximum force. A green or red smiley or a bargraph, coupled with a buzzer, will indicate the smooth running of the press cycle. Peak values are also available.

Solution 2
Force + displacement + thresholds

Solution 2 makes it possible to evaluate the force and the displacement instantaneously or by pre-setting a force and a minimum and maximum stroke. A green or red smiley or a bargraph, coupled with a buzzer, will indicate the smooth running of the press cycle. Peak values are also available.

Solution 3
Force + displacement + curves

Solution 3 makes it possible to evaluate the force and the displacement by setting either thresholds, windows or enveloping curves. The evaluation curve will instantly appear on the screen. A green or red smiley, coupled with a buzzer, will indicate that the press cycle is running smoothly.



Force sensor	
(PN) Nominal power	1,100 lbs to 22,000 lbs
Plug and play	☺
Overload (in % of PN)	150%
Breakage (in % of PN)	300%
Accuracy (in % of PN)	0,25% < 1,100 lbs / 0,5% > 1,100 lbs
Sensor height (inch)	free height loss ±2,3 inch
Protection class	IP67
Tool attachment	16H7x1 inch
Displacement sensor	
Type	potentiometric (other on request)
Plug and play	☺
Stroke	4 -> 20 inch
Accuracy (in % of stroke)	±0.05 %
Lifetime	100 x106 movements
Protection class	IP65

IN VIDEO

Pneumatic Presses

from 800 to 13.000 lbs

Pneumatic Presses

6PHR - 6PHR C-MAX - 8PHR - 1T 1T LP - 2T - 3T - 4,3 T - 2T LP 3T LP - 4,3T LP - 6T LP

The range of EMG pneumatic presses completes the range of manual presses and perfectly complies with the customer requirements when the stroke rates are more significant and/or the power to be restored is high.

Single or continuous stroke, the range of EMG pneumatic presses is integrated into the workstations or production line, ensuring Ergonomy - Operator safety - Process reliability.

2 pneumatic presses range:
- Direct push double effect presses from 800 to 2.200 lbs
- Indirect push double effect presses from 4.400 to 13.000 lbs

These presses are robust, accurate, flexible and ergonomic. These are frequently used for assembly, connections of rings or bearings, small forms, various crimping operations, etc.
- Slider adjusted and locked for rotation, ensuring longevity and precision.
- Automatic load of the cylinder when controls released
- Quick and reliable adjustment, with locking ensuring perfect repetitiveness.
- Accurate adjustment of bottom dead center by a mechanical stop ensuring the repetitiveness of the cycle.
- Cast iron FGL 250 or mechanically welded frame ensuring robustness and rigidity.
- No maintenance, no greasing.
- Paint: Sky blue RAL 5015 frame - Platinum grey RAL 7036 press head.

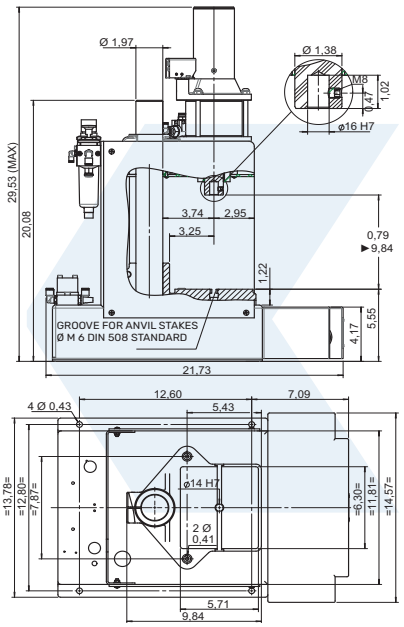
All cylinders are manufactured by EMG and have millions of users across the world which testifies to their exceptionally good quality. The slider is made of chromated steel set on rings and locked for rotation by a key. The piston slides effortlessly in the chromated cylinder, seals ensuring perfect sealing of the cylinder.

The power of our presses is indicated with a pressure at 6 bars and is proportionally adjustable as a standard from 44 to 87 psi.

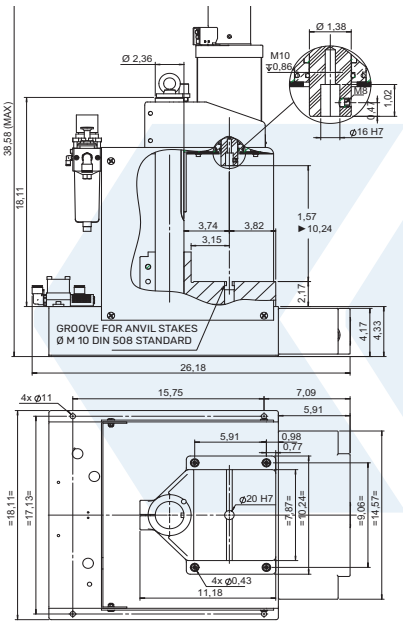
E.g.: the 6PHR press delivers 800 lbs at 87 psi, and thus 400 lbs at 44 psi, 530 lbs at 58 psi and 660 lbs at 72 psi.

Direct Push Double Effect Presses
from 800 to 1.500 lbs

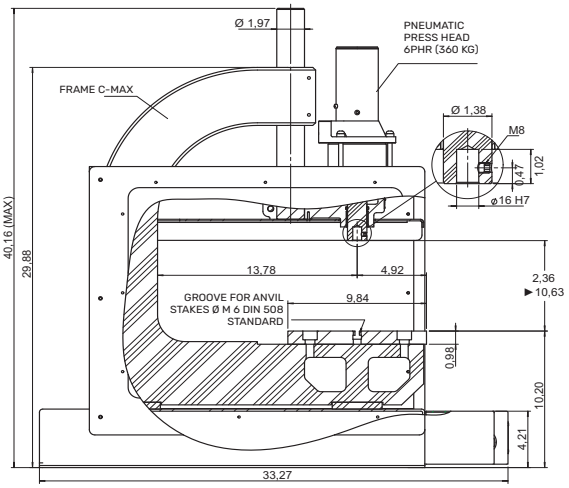
6PHR

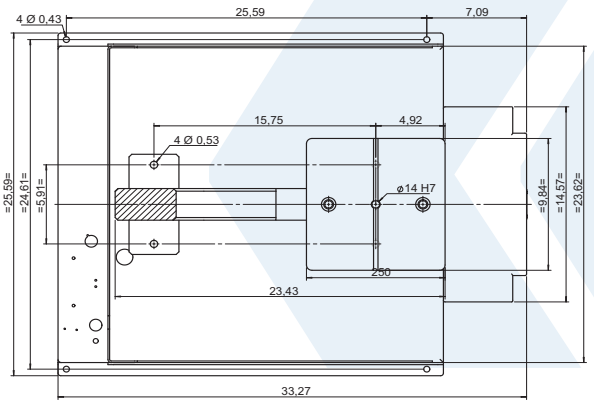


8PHR



6PHR C-MAX





Stroke adjustment:

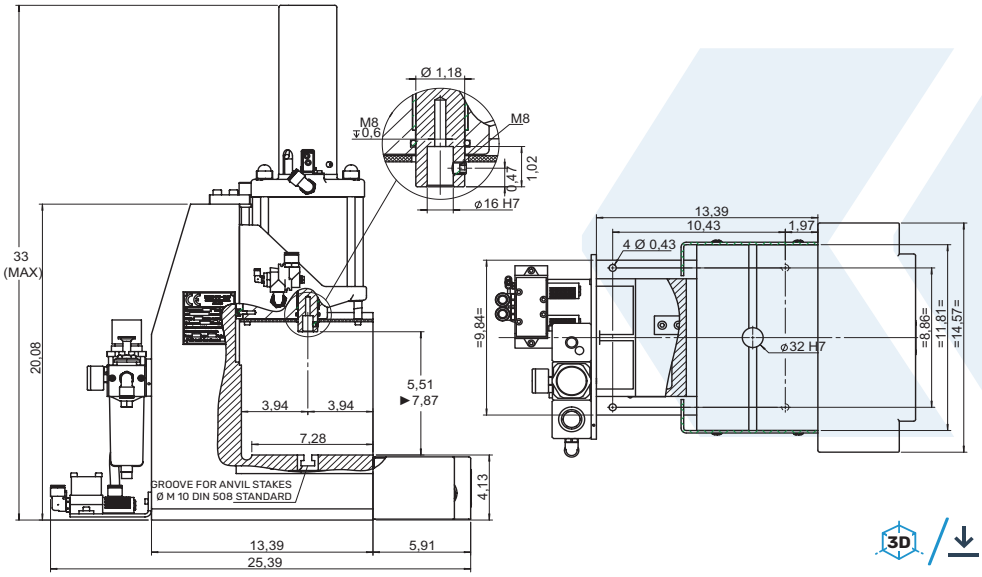
The stroke of our presses is adjustable by a mechanical precision nut, graduated to 1/10th of a mm with a locking ensuring a perfect repetition of the cycle.

View of stroke end mechanical stop and information sensor for bottom dead center timeout (optional).

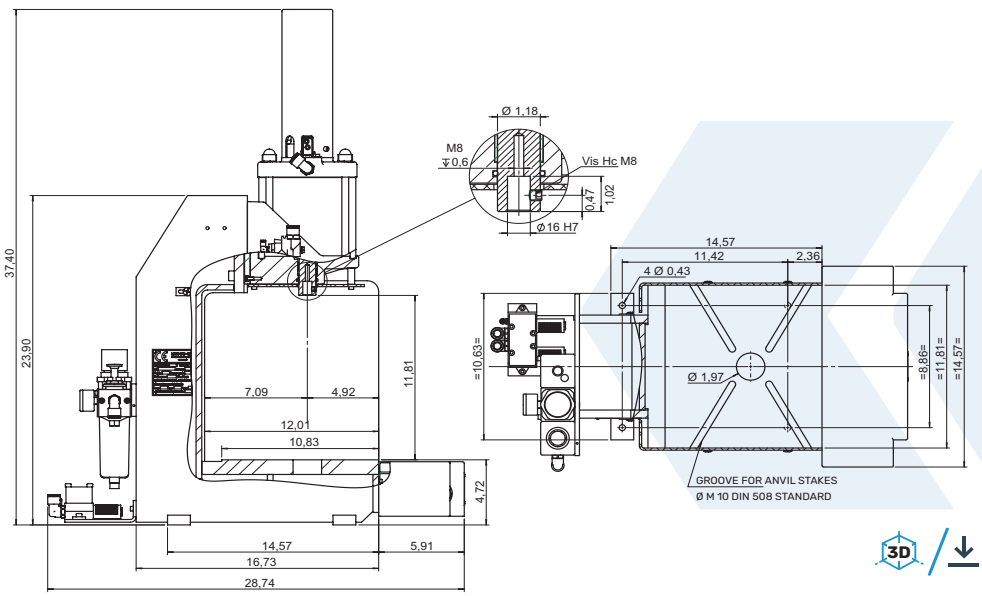
TECHNICAL CHARACTERISTICS	6PHR	6PHR C-MAX	8PHR
Power (lbs)	800	800	1500
Travel (inch)	0 ▸ 1,9	0 ▸ 1,9	0 ▸ 3,9
Adjustable clear height (inch)	0,7 ▸ 9,8	2,3 ▸ 10,6	1,5 ▸ 10,2
Swan-neck depth (inch)	3,7	13,7	3,7
Slider bore (inch)	16H7 x 1	16H7 x 1	16H7 x 1
Table bore (inch)	14H7	14H7	20H7
Table (inch)	6,3 x 5,7	9,8 x 9,8	7,8 x 6,6
Press speed (inch/sec.)	5,9	5,9	5,1
Air consumption (gal)	0,16	0,16	0,6
Weight (lbs)	56	210	110

Direct Push Double Effect Presses
1.1 ton

1T

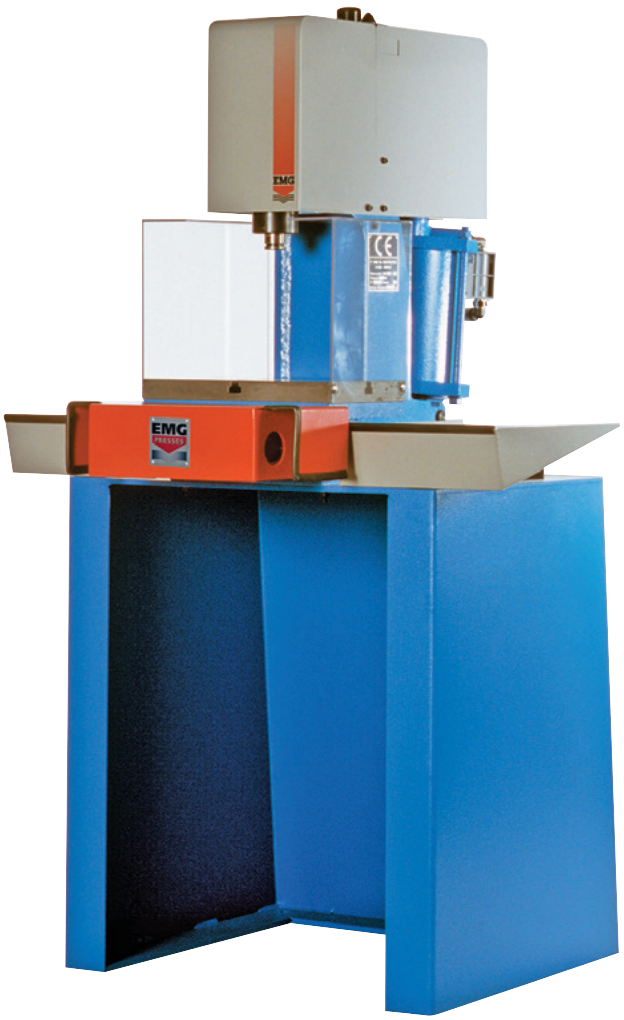


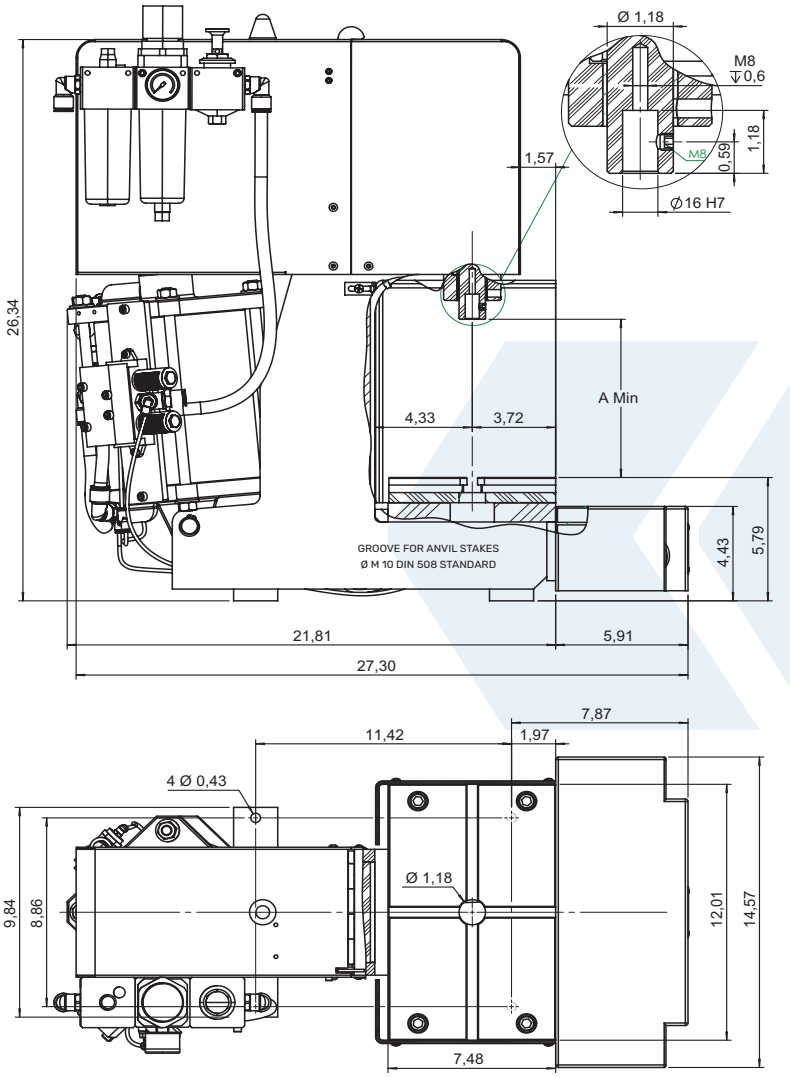
1T LP



TECHNICAL CHARACTERISTICS:	Direct Push Double Effect Presses		Indirect Push Double Effect Presses		
	1T	1T LP	2T	3T	4,3T
Power (lbs)	2200	2200	4400	6600	9500
Travel (inch)	0 ▸ 3,9	0 ▸ 3,9	0 ▸ 2,7	0 ▸ 2,1	0 ▸ 1,5
Adjustable clear height (inch)	5,5 ▸ 7,8	11,8	7,8	7,0	6,8
Swan-neck depth (inch)	3,9	7	4,3	4,3	4,3
Slider bore (inch)	16H7 x 1	16H7 x 1	16H7 x 1,1	16H7 x 1,1	16H7 x 1,1
Table bore (inch)	32H7	50H11	1,18	1,18	1,18
Table (inch)	11,8 x 7,2	11,8 x 10,8	12 x 7,4	12 x 7,4	12 x 7,4
Press speed (inch/sec.)	3,9	3,9	2,9	1,9	1,4
Air consumption (gal)	0,9	0,9	1,4	1,4	1,4
Weight (lbs)	275	330	330	330	330

Indirect Push Double Effect Presses
from 2.2 to 4.7 tons



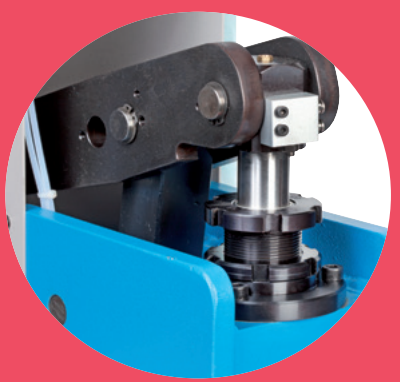


2T - 3T - 4,3T
(base support in option)

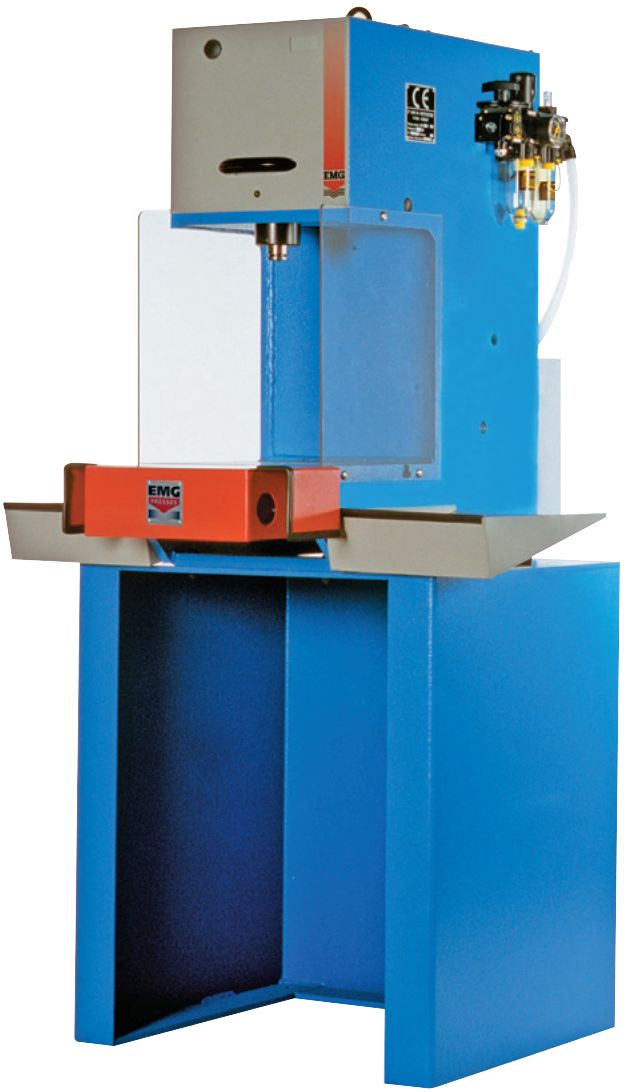
Stroke adjustment:

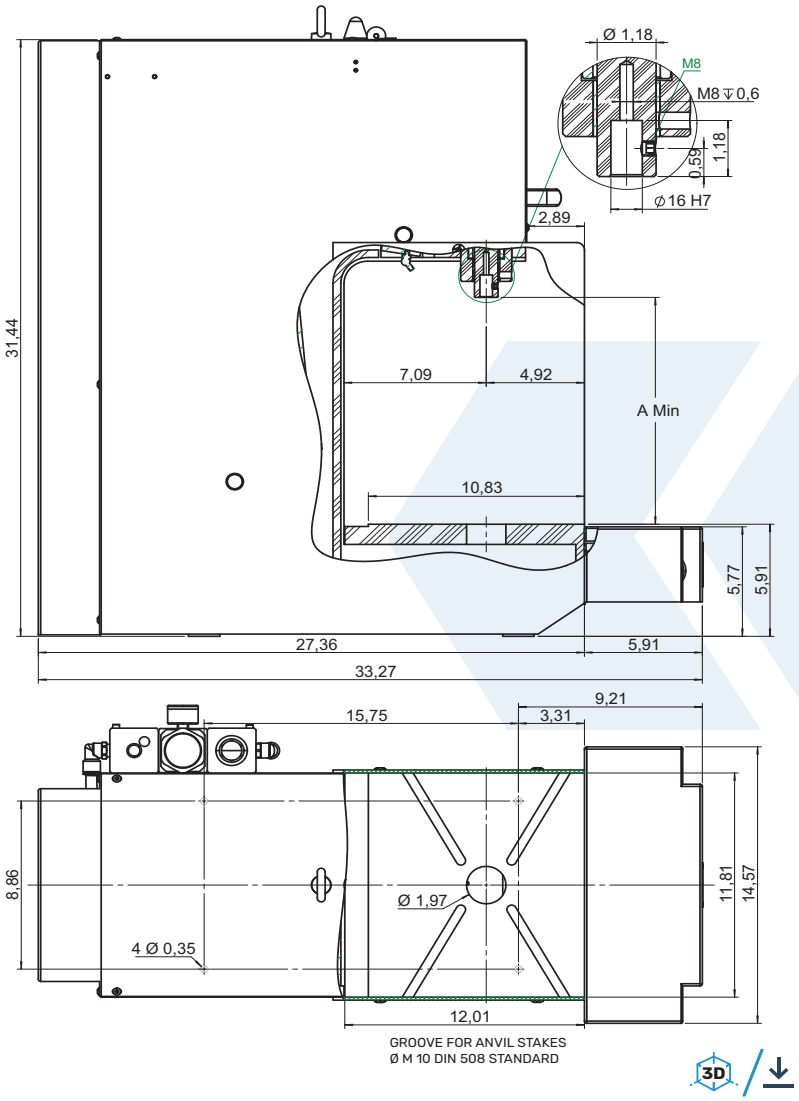
The stroke of our presses is adjustable by a mechanical precision nut, graduated to 0.004 inch with a locking ensuring a perfect repetition of the cycle.

View of stroke end mechanical stop and information sensor for bottom dead center timeout (optional).



Indirect Push Double Effect Presses
from 2.2 to 6.6 tons

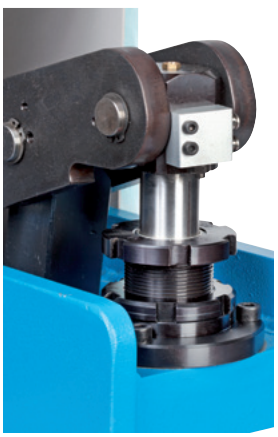




2T LP - 3T LP - 4,3T LP - 6T LP
(base support in option)

TECHNICAL CHARACTERISTICS:

	2T LP	3T LP	4,3T LP	6T LP
Power (lbs)	4400	6600	9500	13000
Travel (inch)	0 ▸ 2,7	0 ▸ 2,1	0 ▸ 1,5	0 ▸ 1,9
Adjustable clear height (inch)	12,4	11,8	11,6	12,0
Swan-neck depth (inch)	7	7	7	7
Slider bore (inch)	16H7 x 1,1	16H7 x 1,1	16H7 x 1,1	16H7 x 1,1
Table bore (inch)	1,97	1,97	1,97	1,97
Table (inch)	11,8 x 10,8	11,8 x 10,8	11,8 x 10,8	11,8 x 10,8
Press speed (inch/sec.)	2,9	1,9	1,4	1,18
Air consumption (gal)	1,4	1,4	1,4	2,6
Weight (lbs)	440	440	440	510



Versions of Control for
Pneumatic Presses

Version 1
intended for integration by the customer

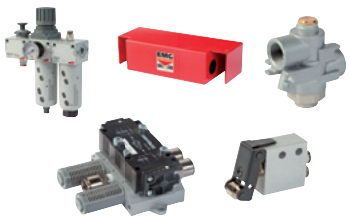
Only machine delivered, no controls, no equipment.

Version 2
running condition with two hand controls

Version 1 +

- Two hand controls with push buttons.
- Protection of side and top tables.
- Distributor, check valve, control valve of protection cover and pneumatic fittings.
- Regulation and lubrication filter (lockable).

V1 +



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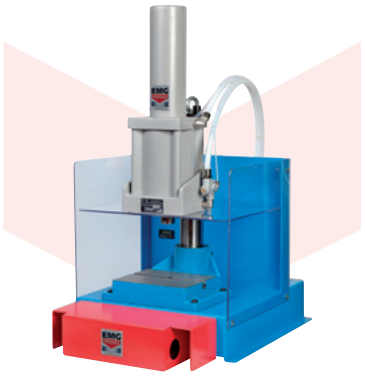


Version 3
running condition with two hand or pedal controls

Version 2 +

- Pedal control for embedded tool work*
- 2-position key selector

V2 +

1 - BIMANUAL OPERATION
2 - PEDAL OPERATION
(only for embedded tool)

=

*Definition: The embedded tools must be intrinsically safe. Their corresponding openings and safety distances must be in compliance with the standards in force or must not exceed 0.24 inch. Any risk of additional deformation outside the embedded tools must be avoided.

Options

ADDITIONAL REGULATOR

Additional regulator allowing working with a pressure from 7 to 87 psi.

1% REGULATOR

Power regulator, adjustable from 7 to 87 psi with digital pressure gauge ensuring a repetitiveness of the cycle and precision up to 1%.

3% REGULATOR

Power regulator, adjustable from from 7 to 87 psi with dial pressure gauge ensuring a repetitiveness of the cycle and precision up to 3%.

COUNTER

5 digit counter with reset function.

QUALITY CONTROL BY FORCE AND/OR DISPLACEMENT SENSORS

EMG proposes management solutions regarding force and/or displacement thanks to its force and displacement sensor solutions which can be adapted as per the requirement for a 100% control.

See pages 20-21

EXHAUST FILTER

Complete exhaust filter system for reduction in pollution and noise levels (75 dB instead of 85).

EXHAUST RESTRICTOR

Press speed regulation by exhaust restrictor.

BDC MICROMETRIC ADJUSTMENT

Bottom dead center adjustment system, graduated every 0.001 inch.

ANVIL STAKES

Set of 2 anvil stakes for securing the tools in T slots.

COLLET

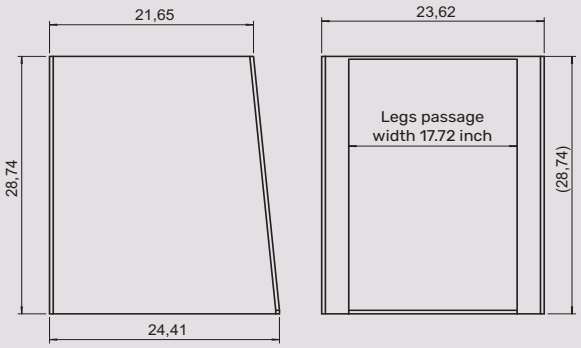
Collet chuck with ER25 collet for Ø0.06 to Ø0.63 ich shank (Ø to be selected).

BASE SUPPORT AND LATERAL PANELS

Press base support and set of 2 13.8x9.8 inch side panels.

These accessories allow the design of a very ergonomic workstation:

- Legs passage 17.7 inch.
- Height of base support 28.7 inch (29.7 inch with anti-vibration supports).
- Lateral panels inclined for the 3.8 x 9.8 inch parts.



Additional options ///

- Bottom Dead center timeout, allowing:
  - Stalling the press from 0 to 15s at bottom dead center.
  - Ensuring attainment of bottom dead center thanks to a detection in the last inches.
- Press locking at bottom dead center by a support on the two hand controls and engaged by an impulse on the two hand control.
- Special RAL paint.
- Special services on request (press modifications, small tooling and fitting).

See pages 48 to 51

Impactor Presses

from 1.300 to 13.000 lbs

Impactor Presses
PM6 - PM30 - PM60 - PM6P - PM30P - PM60P

At the time of ISO standardization, identification and traceability of parts, EMG presses propose a range of impactor presses and numbering, riveting and crimping accessories combining performance, precision and security.

This range is found in numerous workshops. The power delivered is constant and regular, and remains exact irrespective of the force applied on the lever.

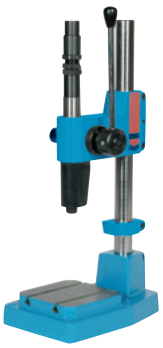
These presses have an adjustable impact force and a mechanism which prevents the double impact return effect.

POSSIBILITY OF MARKING
Indicative values (number of characters depending on the height and material)

PRESSES	1.300 LBS		6.500 LBS		13.000 LBS	
MATERIAL	ALUMINIUM	IRON	ALUMINIUM	IRON	ALUMINIUM	IRON
0,04 inch	14	7	28	15	75	36
0,08 inch	12	5	24	12	65	26
0,12 inch	8	3	20	9	56	17
0,16 inch	6	2	16	8	50	15
0,20 inch	5	1	14	6	46	12
0,24 inch	-	-	6	3	40	8
0,40 inch	-	-	3	1	20	5

Manual Impactor Presses
from 1.300 to 13.000 lbs

PM6



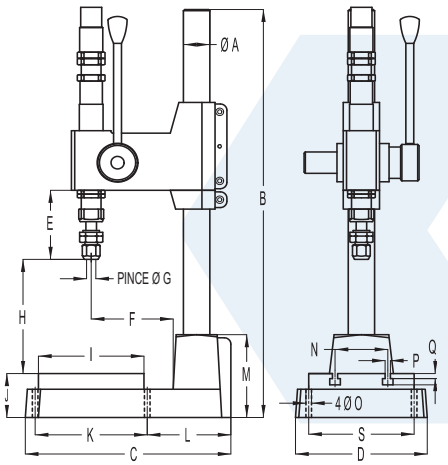
PM30

PM60

	PM6	PM30	PM60
Power (lbs)	1300	6500	13000
Max. downstroke (inch)	1	1,5	1,5
Impact stroke (inch)	0,01	0,01	0,01
Adjustable clear height (inch)	1,1 ▸ 9,8	1,5 ▸ 9,8	2,7 ▸ 20,4
Swan-neck depth (inch)	3,3	4,8	6,8
Ø of the shank of the tool (inch)	Ø 0,24 x 1	Ø 0,39 x 1,5	Ø 0,63 x 1,9
Table (inch)	3,9 x 3,9	6,3 x 6,3	8,6 x 8,6
Weight (lbs)	25	70	220

TABLE OF VALUES OF MANUAL IMPACTOR PRESSES

	PM6	PM30	PM60		PM6	PM30	PM60
A	Ø 1,18	Ø 1,57	Ø 2,76	K	5,31	6,69	9,06
B	19,69	25,59	39,37	L	3,15	5,00	7,48
C	8,46	12,28	17,52	M	2,76	5,20	7,48
D	5,12	7,87	11,02	N	1,97	3,15	4,72
E	1,81	4,33	5,71	O	Ø 0,26	Ø 0,33	Ø 0,41
F	3,39	4,84	6,85	P	0,24	0,31	0,47
G	Ø0,24 x 1,06	Ø0,39 x 1,5	Ø0,63 x 1,89	Q	0,35	0,39	0,51
H	1,18 ▸ 9,84	1,57 ▸ 9,84	2,76 ▸ 20,47	R	0,24	0,31	0,35
I	3,94	6,30	8,66	S	3,54	6,30	9,06
J	1,97	2,76	3,54				



Pneumatic Impactor Presses
from 1.300 to 13.000 lbs

PM6 P

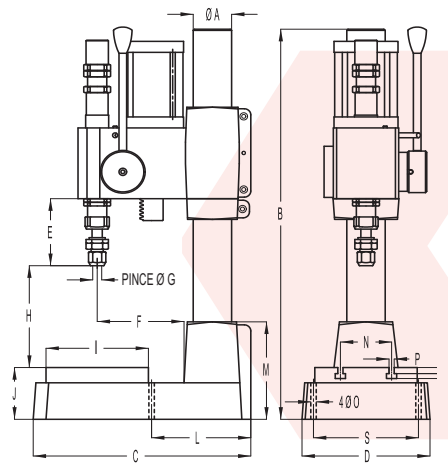
PM30 P

PM60 P

	PM6 P	PM30 P	PM60 P
Power (lbs)	1300	6500	13000
Max. downstroke (inch)	1,1	1,5	1,7
Impact stroke (inch)	0,01	0,01	0,01
Adjustable clear height (inch)	1,5 ▸ 11,8	2,3 ▸ 11,8	3,9 ▸ 11,8
Swan-neck depth (inch)	3,3	5,3	7,4
Ø of the shank of the tool (inch)	Ø 0,24 x 1	Ø 0,39 x 1,5	Ø 0,63 x 1,9
Table (inch)	3,9 x 3,9	6,3 x 6,3	9,4 x 9,4
Weight (lbs)	35	85	265

TABLE OF VALUES OF PNEUMATIC IMPACTOR PRESSES

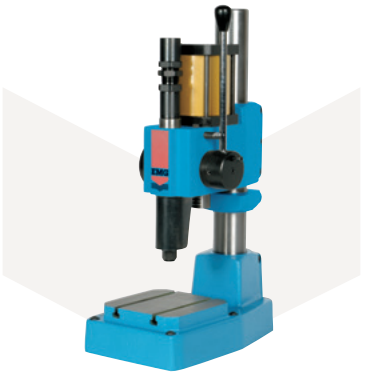
	PM6 P	PM30 P	PM60 P		PM6 P	PM30 P	PM60 P
A	Ø 1,57	Ø 2,36	Ø 3,94	K	4,33	6,69	9,84
B	19,69	25,20	32,68	L	4,61	6,10	8,98
C	9,53	13,39	19,80	M	3,54	5,91	8,27
D	5,51	7,87	11,81	N	1,97	3,15	4,72
E	1,83	4,33	5,71	O	Ø 0,26	Ø 0,33	Ø 0,33
F	3,39	5,31	7,48	P	0,24	0,31	0,47
G	Ø0,24 x 1,06	Ø0,39 x 1,5	Ø0,63 x 1,89	Q	0,24	0,31	0,35
H	1,57 ▸ 11,81	2,36 ▸ 11,81	3,94 ▸ 11,81	R	0,35	0,39	0,51
I	3,94	6,30	9,45	S	4,33	6,46	9,84
J	2,36	3,35	4,33				



Versions of Control for
Impactor Presses

Version 1
intended for integration by the customer

Only machine delivered, no controls, no equipment.

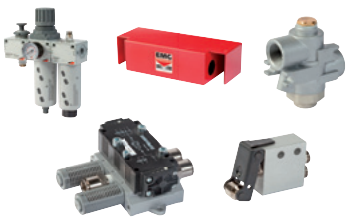


Version 2
running condition with two hand controls

Version 1 +

- Two hand controls with push buttons.
- Protection of side and top tables.
- Distributor, check valve, control valve of protection cover and pneumatic fittings.
- Regulation and lubrication filter (lockable).

V1 +



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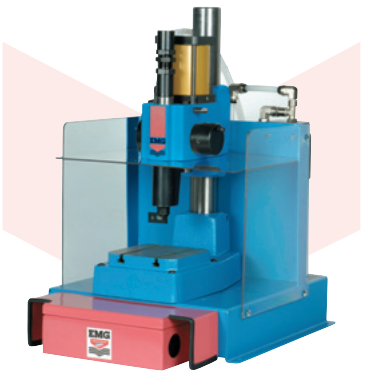

Version 3
running condition with two hand or pedal controls

Version 2 +

- Pedal control for embedded tool work*
- 2-position key selector

V2 +

1 - BIMANUAL OPERATION
2 - PEDAL OPERATION
(only for embedded tool)

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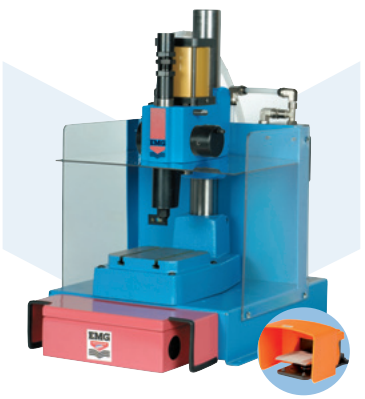


*Definition: The embedded tools must be intrinsically safe. Their corresponding openings and safety distances must be in compliance with the standards in force or must not exceed 0.24 inch. Any risk of additional deformation outside the embedded tools must be avoided.

Options

COUNTER

5 digit counter with reset function.

BASE SUPPORT AND LATERAL PANELS

Press base support and set of 2 13.8x9.8 inch side panels.

These accessories allow the design of a very ergonomic workstation:
- Legs passage 17.7 inch.
- Height of base support 28.7 inch (29.7 inch with anti-vibration supports).
- Lateral panels inclined for the 3.8 x 9.8 inch parts.

EXHAUST FILTER

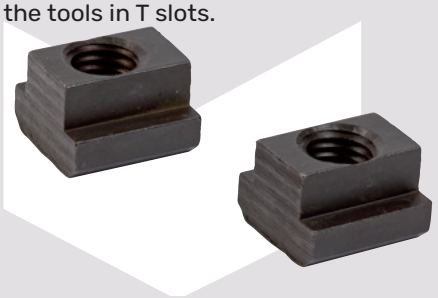
Complete exhaust filter system for reduction in pollution and noise levels (75 dB instead of 85).

MARKING ACCESSORIES

A significant range of accessories is available on request: manual or pneumatic numbering heads, press holders with characters, punches...

ANVIL STAKES

Set of 2 anvil stakes for securing the tools in T slots.



Additional options / / /

ON REQUEST:
- Special bores, complete press head only.
- Special RAL paint.
- Special services on request (press modifications, small tooling and fitting).

See pages 48 to 51

IN VIDEO

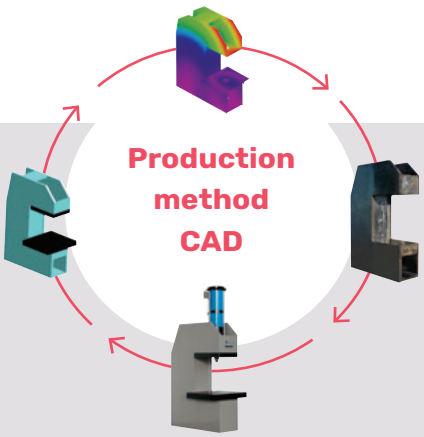
Hydro-pneumatic Presses

from 7 to 110 tons

Hydro-pneumatic Presses

7T - 14T - 33T - 55T - 82T - 110T FRAME RANGE

Only pressed air type available.



Our cylinder is a compressed air cylinder with closed hydraulic circuits, which allows attaining the requested loads with a stroke which is triggered when the piston gets a resistance. The action is very simple and similar to pneumatic double effect cylinders. This technology thus combines the advantages of both pneumatic and hydraulic systems, without any adverse effects (these include for example, no noisy, dirty hydraulic motors, and low air consumption).

- **Rapidity**
- **Power**
- **Quality**
- **Economy**
- **Quiet**
- **No maintenance**

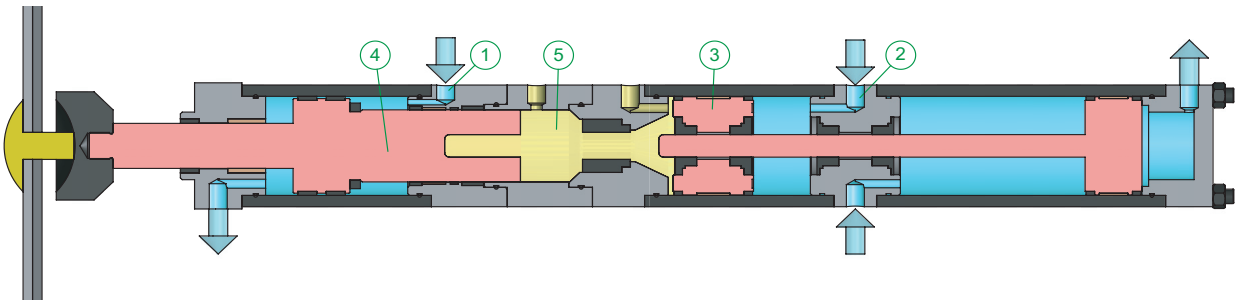
A very wide range of machines combining:
- 60+ different cylinders
- With 6 different frames

Hydro-pneumatic Presses

Explanatory Diagram of Operation

Step 1
the fast approach run without power

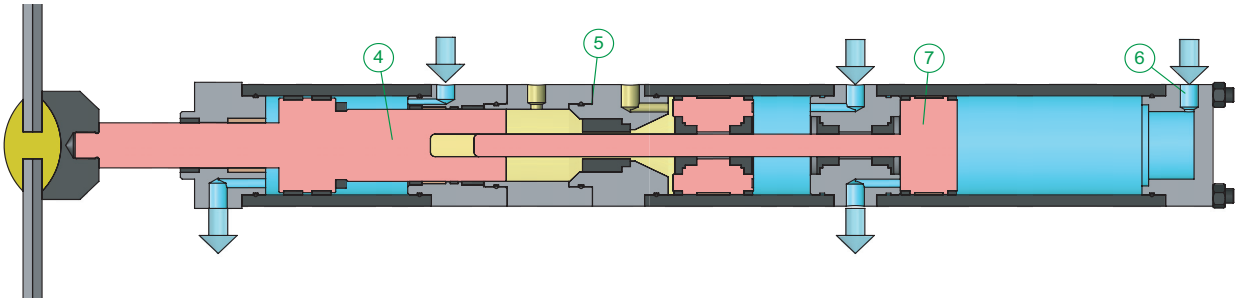
The cylinder is supplied with compressed air at the marks (1) and (2). The rapid but rapid yet controlled descent of the feed piston (3) and the slider (4) takes place until resistance is reached. In this step, the oil fills the hydraulic chamber (5).



Step 2
the slow working stroke with power

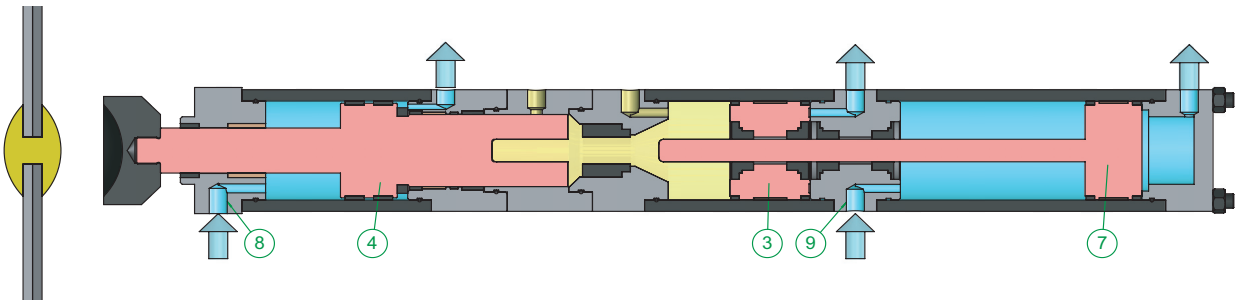
A control valve switches the pneumatic supply to the mark (6), the working piston (7) descends.

During this phase, the plunger rod of the working piston (7) enters in the hydraulic chamber (5), compresses the oil, which greatly increases the power of the slider (4).



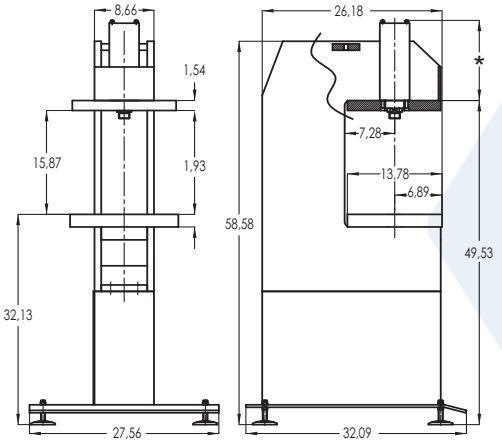
Step 3
the return stroke and the stand-by position

The cylinder is supplied with compressed air on the marks (8) and (9). The slider (4), the feed piston (3) and the working piston (7) rise at high speed and remain held in the high position.

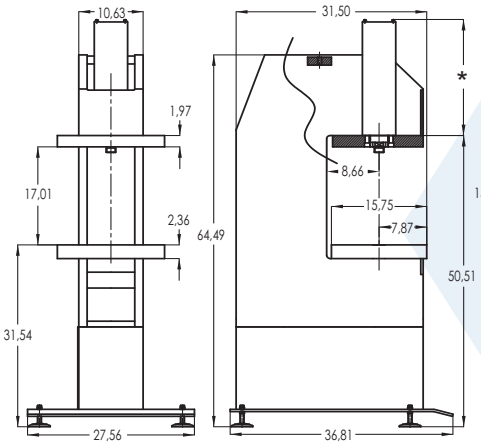


Hydro-pneumatic Presses
from 7 to 33 tons

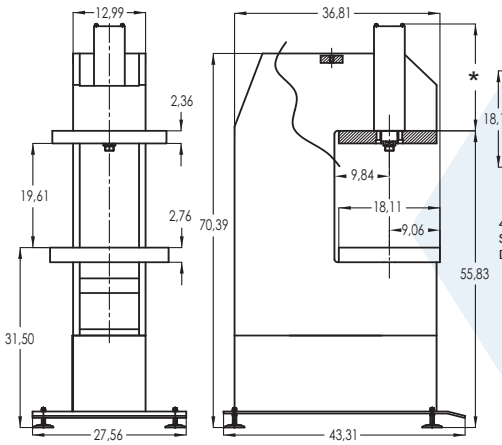
7 tons



14 tons



33 tons

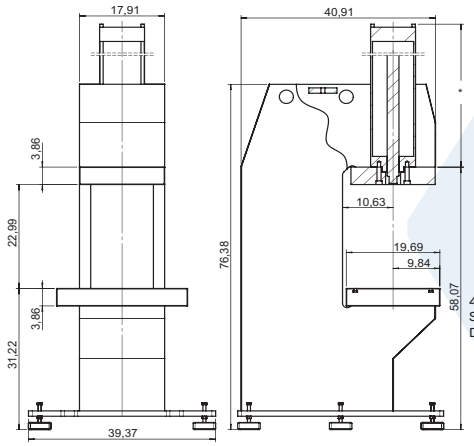


EXAMPLES

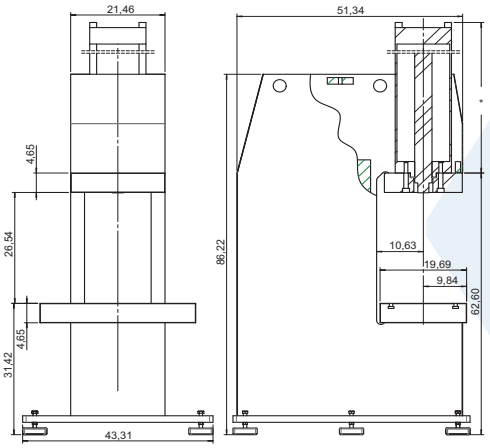
	7 tons range frame	14 tons range frame	33 tons range frame
Power *	7.6 ▸ 8.6 tons	14.7 ▸ 15.4 tons	31.2 ▸ 33.8 tons
Total stroke *	1,9 ▸ 15,7 inch	1,9 ▸ 11,8 inch	1,9 ▸ 15,7 inch
Travel *	0,24 ▸ 2,36 inch	0,24 ▸ 1,57 inch	0,24 ▸ 1,57 inch
Clear height	15,7 inch	16,9 inch	19,6 inch
Swan-neck depth	7,2 inch	8,6 inch	9,8 inch
Fixing of tool on cylinder	M30 x 2mm x 098 inch	M30 x 2mm x 098 inch	M39 x 2mm x 1,38 inch
Total length of the cylinder *	25 ▸ 70 inch	27 ▸ 65 inch	31 ▸ 79 inch
Table	15,7 x 13,7 inch	17,7 x 15,7 inch	21,2 x 18,1 inch
Weight *	1100 lbs	1650 lbs	2650 lbs

** as per the choice of the cylinder*

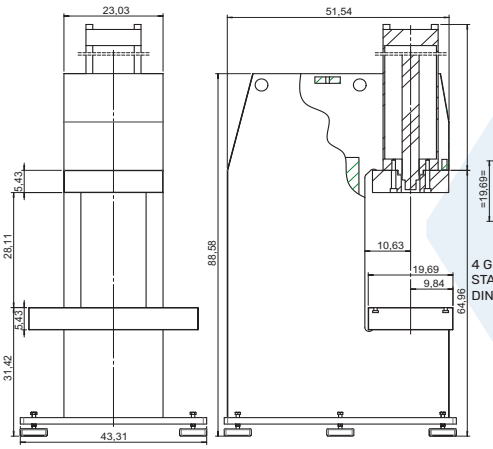
Hydro-pneumatic Presses
from 7 to 110 tons



55 tons



80 tons



110 tons

EXAMPLES	55 tons range frame	80 tons range frame	110 tons range frame
Power *	50 tons ▸ 52 tons	80 tons	110 tons
Total stroke *	2,7 ▸ 15,7 inch	3,9 ▸ 11,8 inch	3,9 ▸ 11,8 inch
Travel *	0,24 ▸ 1,57 inch	0,39 ▸ 0,63 inch	0,31 ▸ 0,47 inch
Clear height	22,8 inch	26,3 inch	27,9 inch
Swan-neck depth	10,6 inch	10,6 inch	10,6 inch
Fixing of tool on cylinder	M42 x 2mm x 1,57 inch	M64 x 2mm x 2,36 inch	M64 x 2mm x 2,36 inch
Total length of the cylinder *	37 ▸ 82 inch	De 52 ▸ 90 inch	De 52 ▸ 90 inch
Table	27,5 x 19,6 inch	35,4 x 19,6 inch	39,3 x 19,6 inch
Weight *	2850 lbs	9920 lbs	12125 lbs

** as per the choice of the cylinder*

Versions of Control for
Hydro-pneumatic Presses

Version 1
intended for integration by the customer

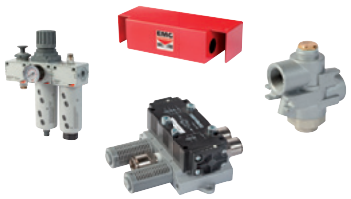
Only machine delivered, no controls, no equipment.

Version 2
running condition with two hand controls

Version 1 +

- Two hand controls with push buttons.
- Protection of side and top tables.
- Distributor, check valve, control valve of protection cover and pneumatic fittings.
- Regulation and lubrication filter (lockable).

V1 +



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Version 3
running condition with two hand or pedal controls

Version 2 +

- Pedal control for embedded tool work*
- 2-position key selector

V2 +

1 - BIMANUAL OPERATION
2 - PEDAL OPERATION
(only for embedded tool)

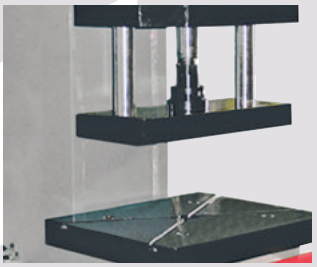
=

*Definition: The embedded tools must be intrinsically safe. Their corresponding openings and safety distances must be in compliance with the standards in force or must not exceed 0.24 inch. Any risk of additional deformation outside the embedded tools must be avoided.

Options

ANTI-ROTATION BY 2 COLUMNS

System of anti-rotation by 2 columns. (Loss of clear height).



ADDITIONAL REGULATOR

Additional regulator allowing working with a pressure from 7 to 87 psi.

3% REGULATOR

Power regulator, adjustable from 7 to 87 psi with dial pressure gauge ensuring a repetitiveness of the cycle and precision up to 3%.

1% REGULATOR

Power regulator, adjustable from 7 to 87 psi with digital pressure gauge ensuring a repetitiveness of the cycle and precision up to 1%.

COUNTER

5 digit counter with reset function.

EXHAUST FILTER

Complete exhaust filter system for reduction in pollution and noise levels (75 dB instead of 85).

EXHAUST RESTRICTOR

Press speed regulation by exhaust restrictor.

ANVIL STAKES

Set of 2 anvil stakes for securing the tools in T slots.

Additional options ///

- Bottom Dead center timeout, allowing:
  - Stalling the press from 0 to 15s at bottom dead center.
  - Ensuring attainment of bottom dead center thanks to a detection in the last inches.
- Special RAL paint.
- Press locking at bottom dead center by a support on the two hand controls and engaged by an impulse on the two hand control.
- Special services on request (press modifications, small tooling and fitting).

See pages 48 to 51

IN VIDEO

Mechanical Presses

from 6.6 to 88 tons

Mechanical Presses
6.6 T - 16.5 T - 27.6 T - 50 T - 88 T

The range of EMG mechanical presses consist of 5 models from 6 to 80 T.

Being performance-oriented, these execute the most demanding applications with precision and reliability: watchmaking, jewellery, mechanical optics, electrical and electronic machines, automotive industry, electrical goods, toys, locksmithing...

Being durable, these guarantee you optimum quality and unparalleled productivity for a very long time!

The various operations are executed carefully thanks to the power reserve of each model and a very rigorous precision.

TECHNICAL CHARACTERISTICS:

	6.6 T	16.5 T	26.7 T	50 T	88 T
Variable stroke (inch)	0,15 ▸ 1,57	0,2 ▸ 2,9	0,2 ▸ 2,9	0,2 ▸ 3,9	0,3 ▸ 5,7
Clear height (inch)	7,8	11,8	11,8	13,7	15,7
Swan- neck depth (inch)	4,7	7,0	8,2	8,6	11,8
Number of cycle / mn	340	140	140	130	100
Adjustment of the swivel screw (inch)	0 ▸ 1,18	0 ▸ 1,97	0 ▸ 2,36	0 ▸ 2,76	0 ▸ 3,54
Slider bore (mm x inch)	Ø26H7 x 1,57	Ø38H7 x 2,17	Ø38H7 x 2,17	Ø50H7 x 2,56	Ø50H7 x 3,94
Motor power (kw)	0,5	1,1	2,2	5,5	7,5
Air consumption per cycle (gal)	0,05	0,16	0,18	0,24	0,18
Table dimension (inch)	17,7 x 8,6 x 1,18	17,7 x 12,6 x 1,57	21,6 x 15,7 x 1,89	25,5 x 16,9 x 2,24	33,4 x 23,6 x 2,64
Weight (lbs)	1000	2000	3000	6800	14000

Mechanical Presses
Characteristics of the Range

• Frame

The frame is made of high quality mechanizedwelded steel with swan-neck structure. Regular weld seams and proper welding supports ensure an exceptional rigidity and a resistance against cutting impacts even during an intensive use.

The very thick sides of the frame reduce the swanneck opening.

• Slider

The slider is made of cast iron FGS 300 mounted on steel or bronze sliding rails, adjustable by screws. The assembly is completely adjusted and scraped manually. The adjustment is carried out by stops mounted on the press frame.

The bedplate of the slider has holes and a central bore for fixing tools.

The sliding rails have machining in the form of “oil grooves” allowing an efficient lubrication.

A knock-out bar goes through the slider. The adjustment is carried out by a stop mounted on the frame.

• Connecting rod/Swivel screw

The connecting rod is made of FGS 300 cast iron (steel on 88 t) with bronze line completely scraped ensuring a perfect lubrication. It is lubricated by oil.

The swivel screw is made of pre-treated steel, completed by a surface treatment.

• Shaft

The shaft is made of hardened forged steel. An over-sulfinization after machining reduces the wear and tear due to friction. It runs on lubricated rings.

• Stroke change

The stroke change is achieved very quickly by turning the disconnecting device of a turn and then selecting the desired stroke length.

• Lubrification

The lubrication is centralized and ensured by a manual pump. The frequencies are to be adapted as per the cycles used (single or continuous stroke working).

Automatic pump (optional).

• Twin-body solenoid valve

It is self-controlled and assembled with heavy duty silencers.

• Clutch/Brake

The movements of the press are obtained by a monodisc air clutch and managed by a brake. An air reservoir compensates for the possible failures of the network starting from the 27.6 t model.

Standard control panel for mechanical presses

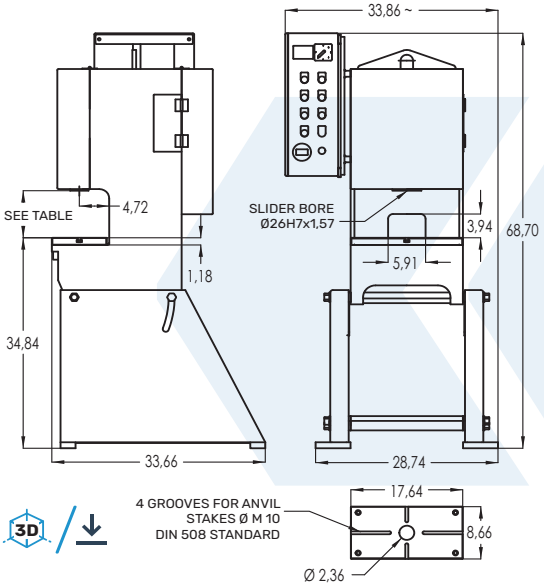
Mechanical Presses
Standard Equipment

- Two hand controls with push buttons.
- Central greasing by manual pump
- 6 digit counter with reset function, 8 digit counter without reset function
- Single or continuous stroke
- 20° inclinable frame (option 50 and 88 tons)
- Regulation with or without motor
- Positive ejector in the slider
- Balancing cylinders (50 and 88 tons)
- Slider hydraulic unblocking (50 and 88 tons)
- Automatic unblocking for the stroke adjustment (80t)
- EC compliance certificate
- User manual and electrical, pneumatic and hydraulic diagrams
- Periodical verification guide (regulatory follow-up, verification procedures, preventive maintenance, faults and remedies)

Mechanical Presses
6.6, 16.5 and 27.6 Tons

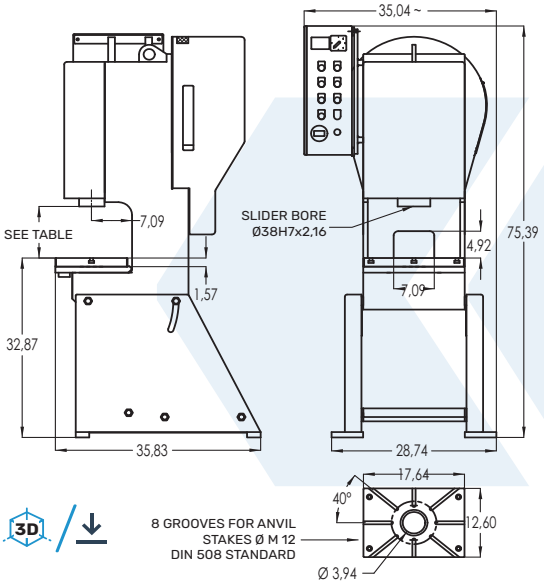
6.6 T

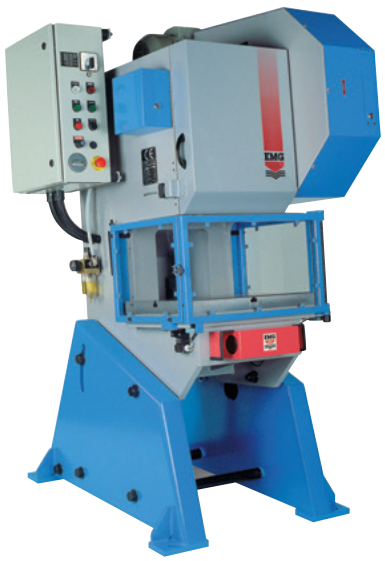
Stroke	Height at bottom dead center	Height at top dead center
0,16	7,01	7,17
0,39	6,89	7,28
0,71	6,73	7,44
0,98	6,57	7,56
1,26	6,46	7,72
1,42	6,38	7,80
1,54	6,30	7,83
1,57	6,30	7,87



16.5 T

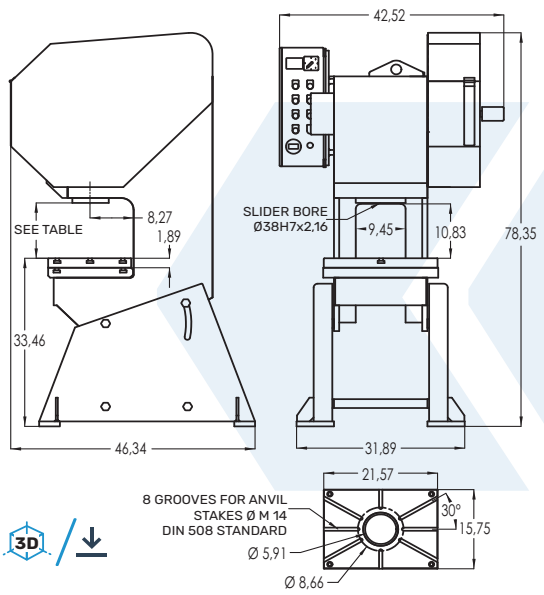
Stroke	Height at bottom dead center	Height at top dead center
0,20	10,28	10,47
0,79	9,96	10,75
1,50	9,65	11,14
2,09	9,33	11,42
2,56	9,09	11,65
2,83	8,94	11,77
2,95	8,90	11,85





27.6 T

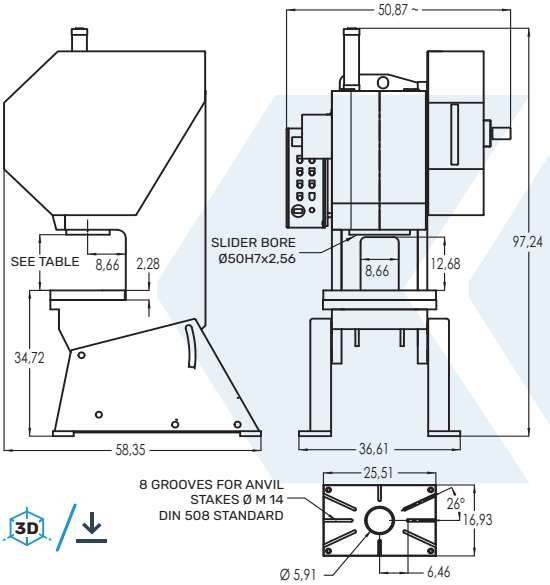
Stroke	Height at bottom dead center	Height at top dead center
0,20	10,31	10,51
0,51	10,16	10,67
0,94	9,92	10,87
1,34	9,76	11,10
1,73	9,53	11,26
2,09	9,37	11,46
2,40	9,21	11,61
2,64	9,09	11,73
2,80	9,02	11,81
2,91	8,96	11,87
2,95	8,94	11,89



Mechanical Presses
50 and 88 Tons

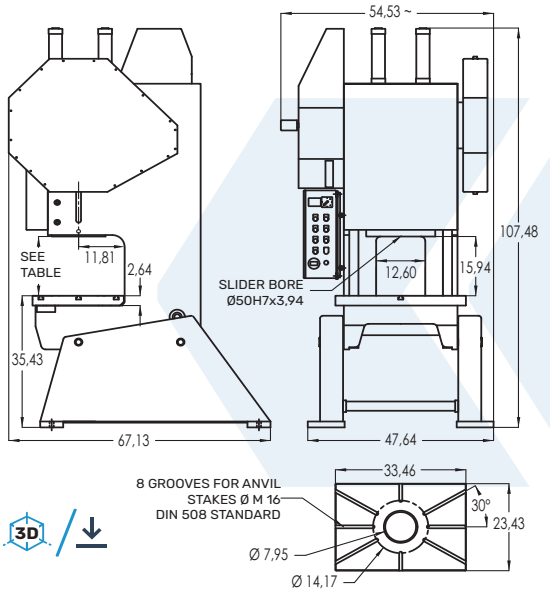
50 T

Stroke	Height at bottom dead center	Height at top dead center
0,24	11,77	12,01
0,55	11,61	12,17
1,02	11,38	12,40
1,54	11,10	12,64
1,97	10,91	12,87
2,40	10,67	13,07
2,80	10,47	13,27
3,11	10,31	13,43
3,39	10,20	13,58
3,62	10,08	13,70
3,82	9,98	13,80
3,90	9,90	13,80
3,94	9,92	13,86



88 T

Stroke	Height at bottom dead center	Height at top dead center
0,31	13,07	13,39
0,71	12,91	13,62
1,26	12,64	13,90
1,81	12,36	14,17
2,36	12,05	14,41
2,87	11,81	14,69
3,35	11,61	14,96
3,74	11,42	15,16
4,09	11,22	15,31
4,37	11,10	15,47
4,57	10,98	15,55
4,69	10,94	15,63
4,72	10,94	15,67



Standard control panel

A 5" touch screen, easily accessible for the operator, allows the operation of the press and the access to the various menus (work cycles, information, statistics, faults, etc.

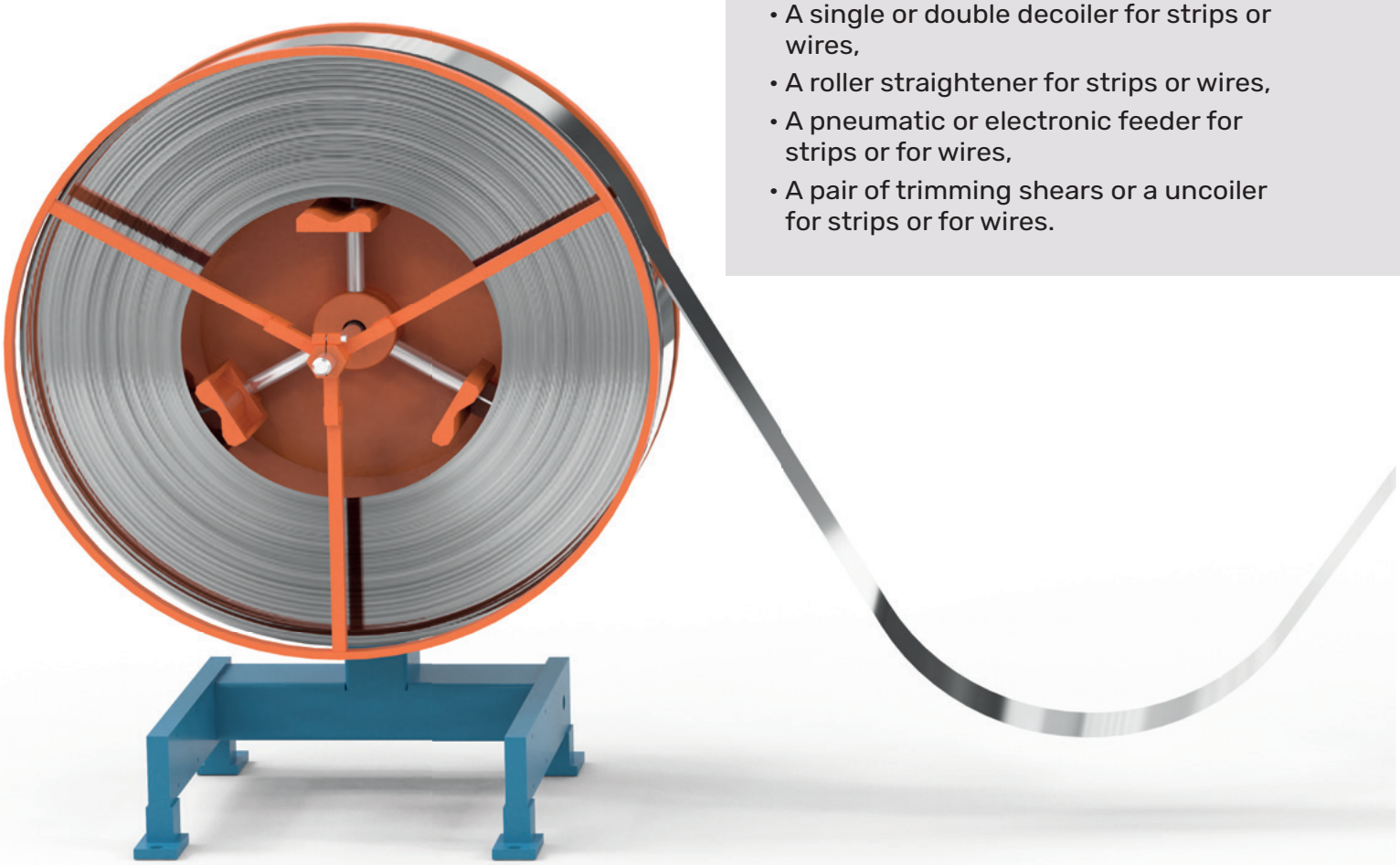
Mechanical Presses
Complete Lines with Unwinder, Straightener, Feeder

EMG PRESSE creates full and customized manufacturing lines bands or for threads

Production equipment components are selected from our partners by our design department to ensure that your specifications and your requirements regarding profitability and quality are respected. They are compliant with all the strictest regulations.

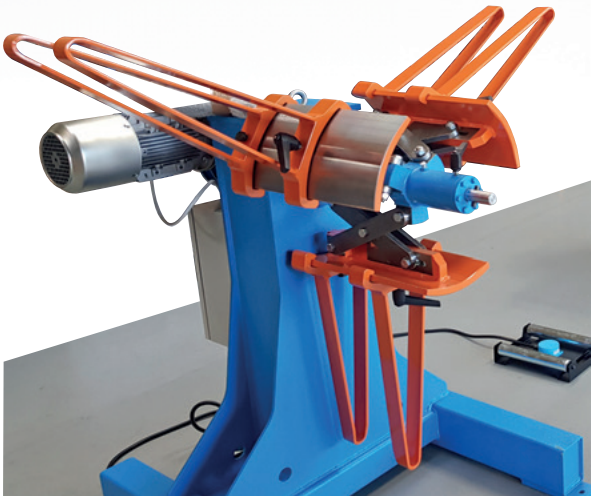
A full production line generally includes:

- A standard or modified eccentric mechanical press from the EMG product line,
- A single or double decoiler for strips or wires,
- A roller straightener for strips or wires,
- A pneumatic or electronic feeder for strips or for wires,
- A pair of trimming shears or a uncoiler for strips or for wires.

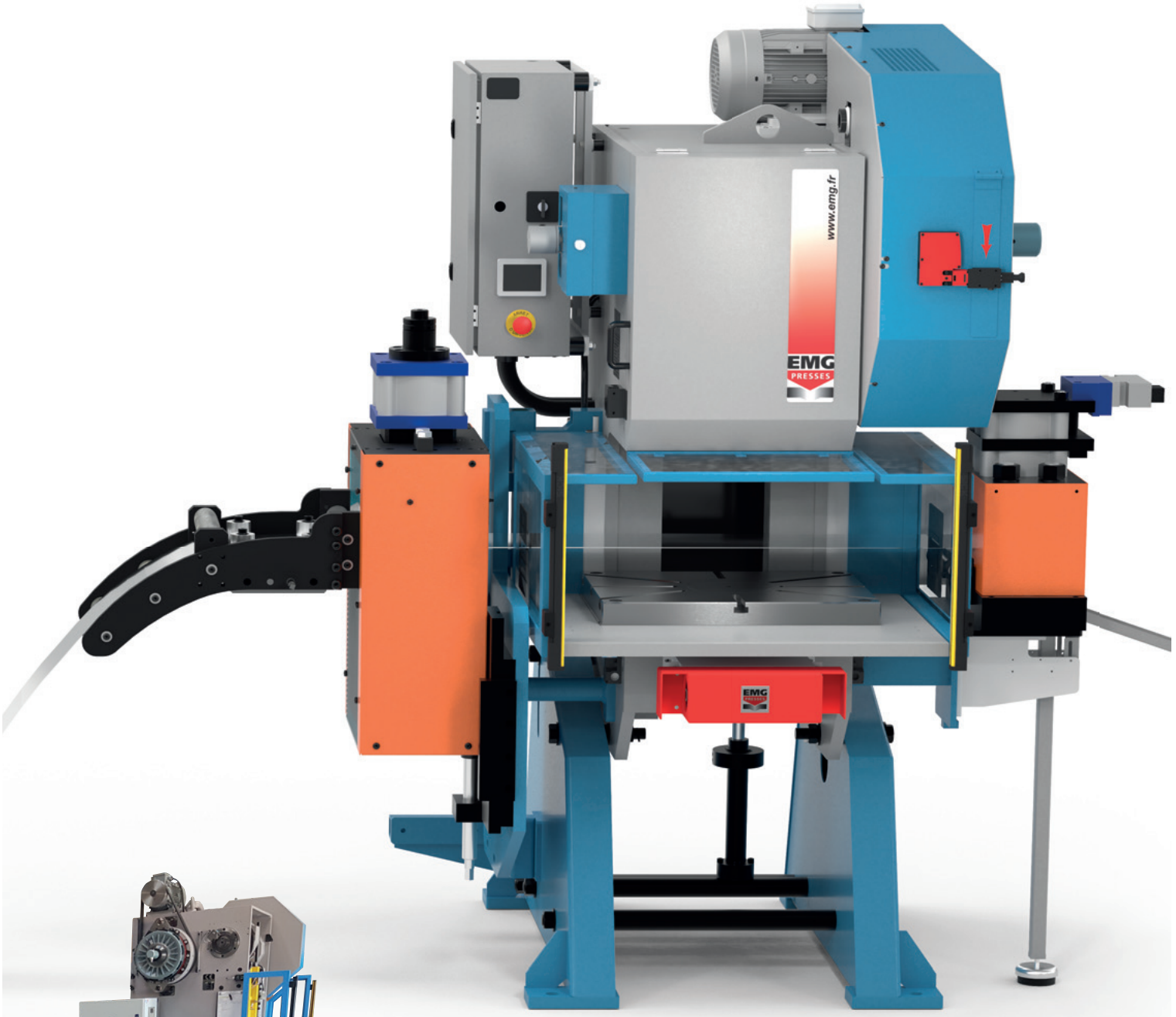


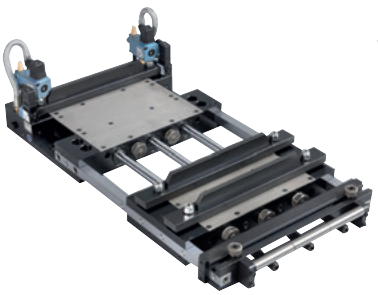
Each production line is designed using the most stringent ergonomic principles and uses all protective equipment and barriers required for maximum operator safety.

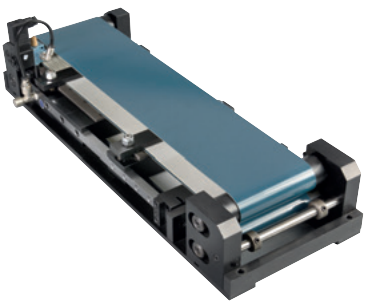
They make it possible to manage a wide range of dimensions both in the length and thickness of the strips and various profiles, in a variety of materials to be straightened and cut, taking into account the most complex parameters of materials with high or low elastic limits.



Mechanical presses
Complete Lines with Unwinder, Straightener, Feeder

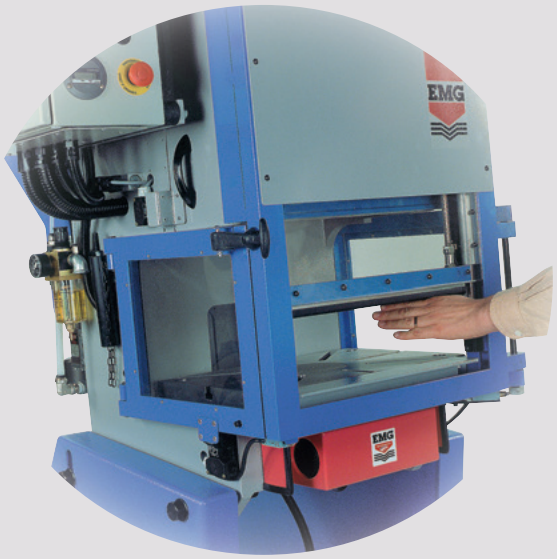






Options

VERTICAL SCREEN



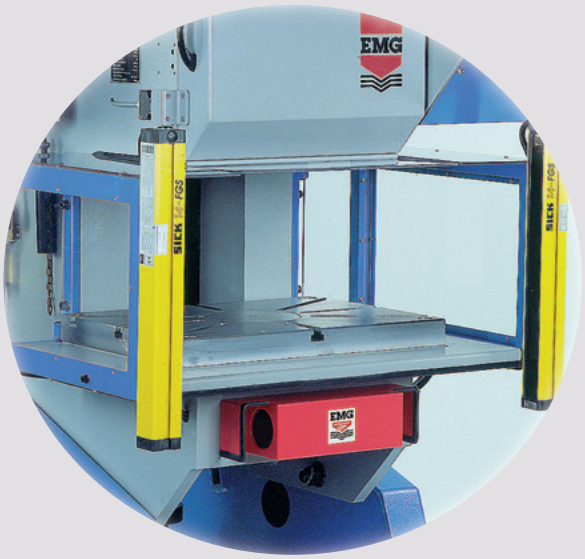
The automatic vertical screen ensures front and side protection of the operator and third party. A support on the pedal ensures the descent of the screen to its bottom dead center, the start of the cycle authorized only if the proximity edge does not encounter any obstacle.

The operator can work with both hands free for loading or unloading parts even if the tool is not secured.

This machine gives you about 20% increased productivity with less fatigue and muscle strain.

Doors are mounted on hinges providing full access for quick and easy tool changing.

ELECTRONIC GUARDS

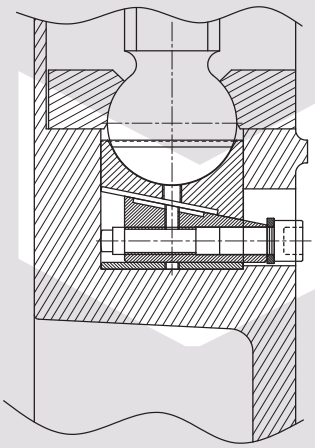


Electronic guards allow front protection of the dangerous zone and control the start of the cycle after one or two passes in the beam. Not requiring any use of two hand controls, this equipment ensures maximum safety while improving press productivity.

It is also possible to work with simple protection by using the pedal for starting the cycle.

Doors are mounted on hinges providing full access for quick and easy tool changing.

MECHANICAL UNLOCKING WEDGE (hydraulic and standard on 50 and 88 t)



The bottom dead center slider unlocking wedge allows unlocking your press in a few minutes, without any change of parts.

ELECTRONIC CAM

The electronic cam programmer from OMRON, associated with its encoder, allows managing 8 outputs in order to manage a feeding device, blower, pilot release, cutting unit or any other machine periphery.

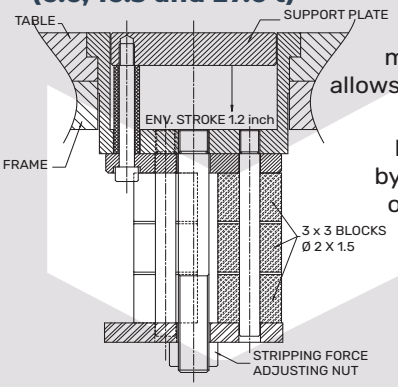
AUTOMATIC GREASING WITH LEVEL MONITORING (standard on 50 and 88 t)

Automatic lubrication is done in place of manual centralized greasing.

It ensures better lubrication of the machine without any risk of omission by the operator.

This option is strongly recommended in case of automatic working.

RUBBER STRIPPER (6.6, 16.5 and 27.6 t)



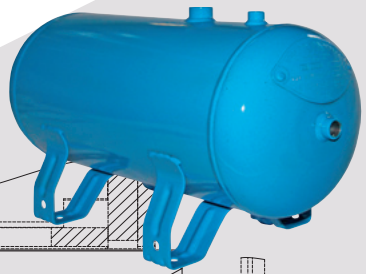
Rubber stripper, mounted on table bore, allows ensuring the ejection of tooling parts.

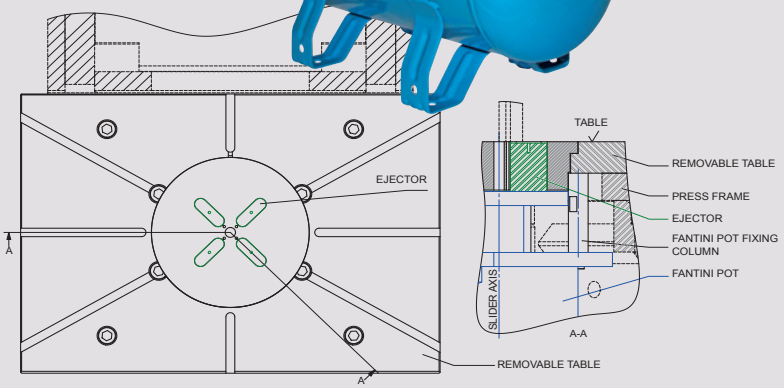
Its power is adjustable by adjusting the tension of the rubber contacts.

PNEUMATIC STRIPPER (27.6, 50 and 88 t)

Ensuring the same function as the rubber stripper, the pneumatic stripper delivers more significant power, from 3.3 t on 27,6 t and 50 t presses, to 7.7 t on 88 t presses.

Its air tank ensures constant pressure.





SPEED VARIATOR WITH SELECTION BY POTENTIOMETER

In order to adjust the stroke rate of the press in the automatic work cycles, or for a slow descent in regulation with motor phase, all the mechanical presses can be delivered with a speed variator, adjustable by potentiometer.

Additional options

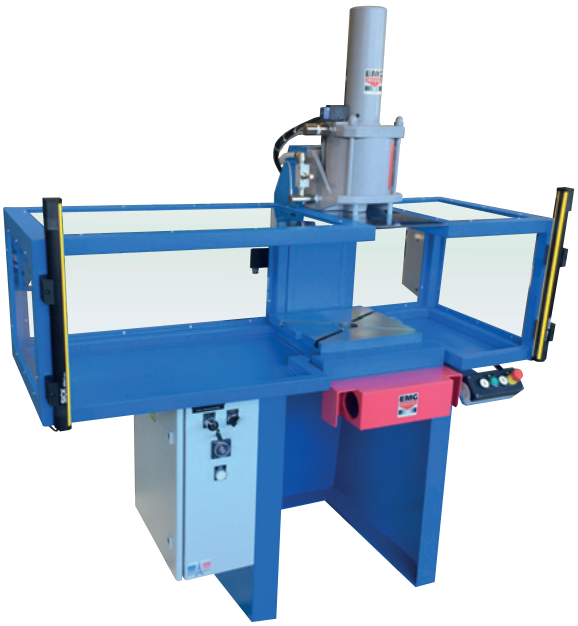
- Pedal control for working with embedded tools or stroke < 0.24 inch.
- Supply cam with 3/2 valve and closing valve.
- 6 digit preselection counter in order to stop the press as soon as the quantity is reached.
- Halogen or neon or LED lamp lighting on 20 inch flexible lines.
- Expansion chamber on exhaust for reducing the sound levels (-2dB).
- Set of anvil stakes.
- Anti-vibration supports.
- Special RAL paint.

*Definition: The embedded tools must be intrinsically safe. Their corresponding openings and safety distances must be in compliance with the standards in force or must not exceed 0.24 inch. Any risk of additional defor-mation outside the embedded tools must be avoided.

Special Presses
Special Executions

To meet the needs of specific applications required by certain trades and fields of activity, EMG offers special equipment made to measure, perfectly adapted to the specifications and production constraints.

› **SPECIAL 18HR**
clear height



› **1T** with special grids and light curtain

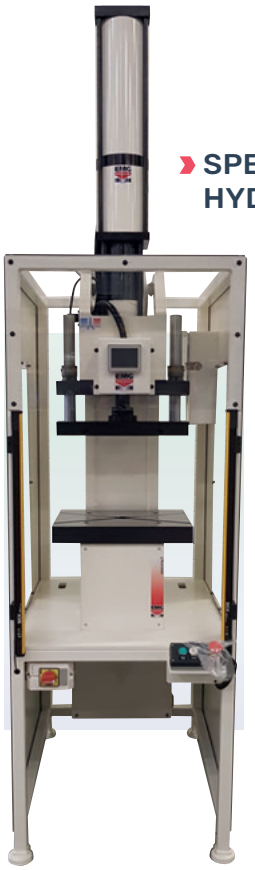
› **33T HYDRO**
XXL

› **27.6T PRESS** with soundproofing cabin

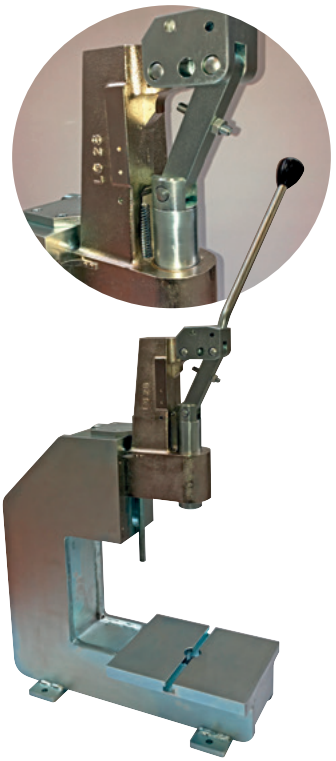
› **3T**
with mobile screen and wooden worktop

› Possibility of **SPECIAL PAINTING** on request

› **16.5T** with integration of a platform for placing baskets



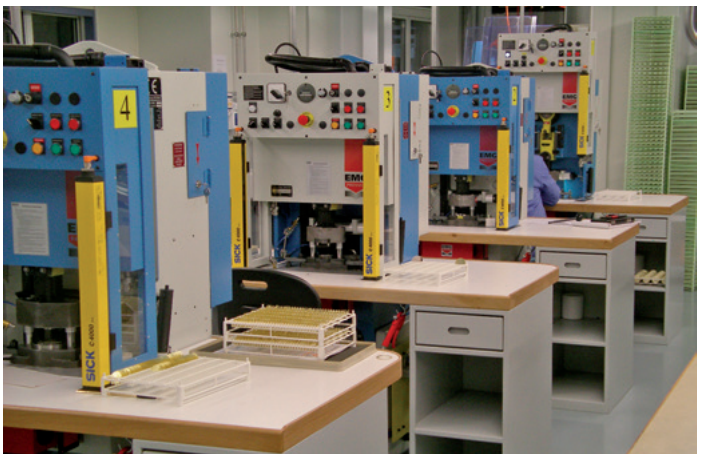
› **SPECIAL HYDRO**



› **ZINC/NICKEL VERSION PRESS**
Fully galvanized and/or nickel-plated laboratory press.

These treatments are the most commonly used in the world of anticorrosion.

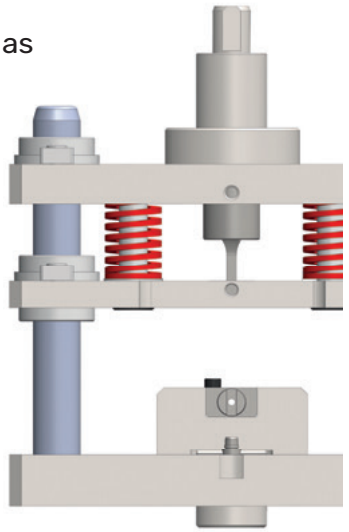
› **6.6T MOBILE SCREEN** and special painting



› **6.6T** for watch industry

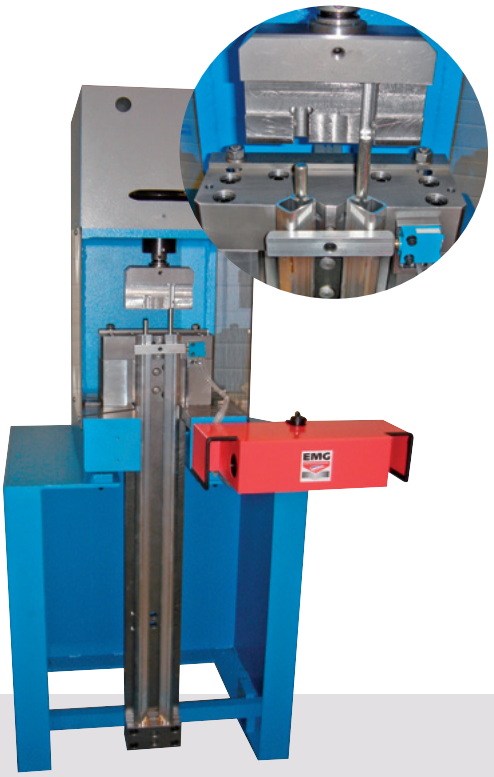
Special Executions
Customized Tools

Thanks to its design office and a fleet of more than 40 machining machines, EMG studies and carries out on request any modification or production of special presses as well as small press fixtures and tools.



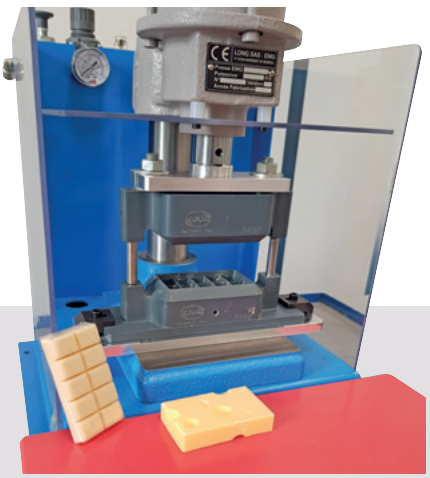
4HR
with bearing mounting tooling

16T HYDRO
with deformation tooling

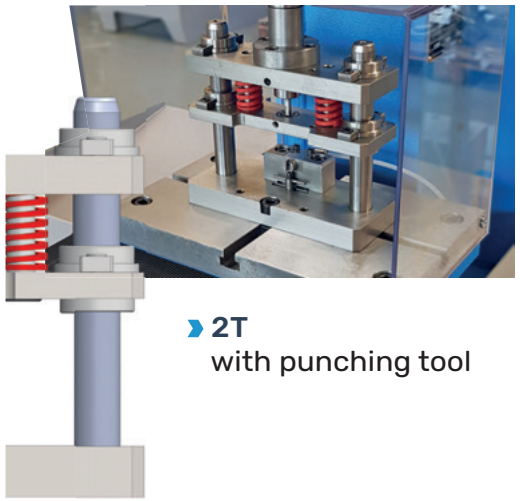


6TLP
with pin fitting tooling and frame modification

3T LP
with calibration tool

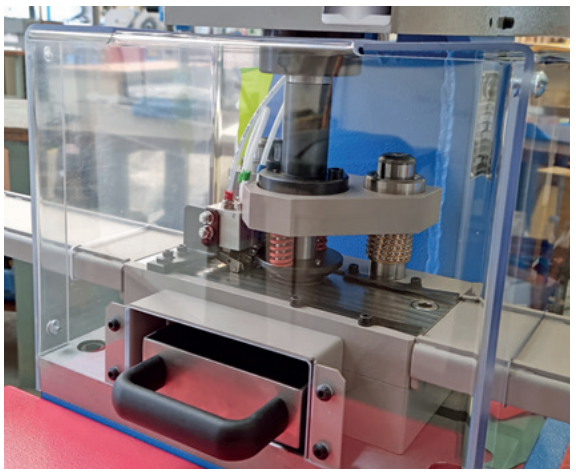


6PHR
with soap forming tooling



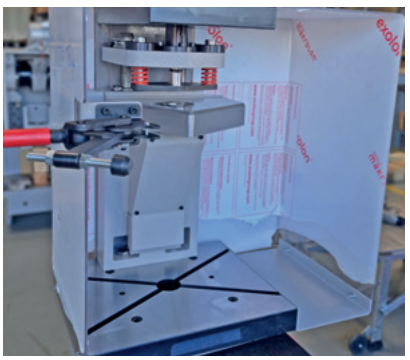
2T
with punching tool

2HR
with press-in tool

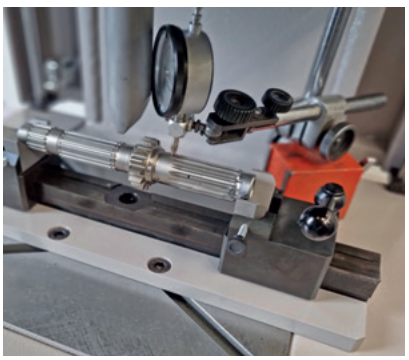


3T
with embedded die cutting tool

1T
with crimping tooling and special headroom



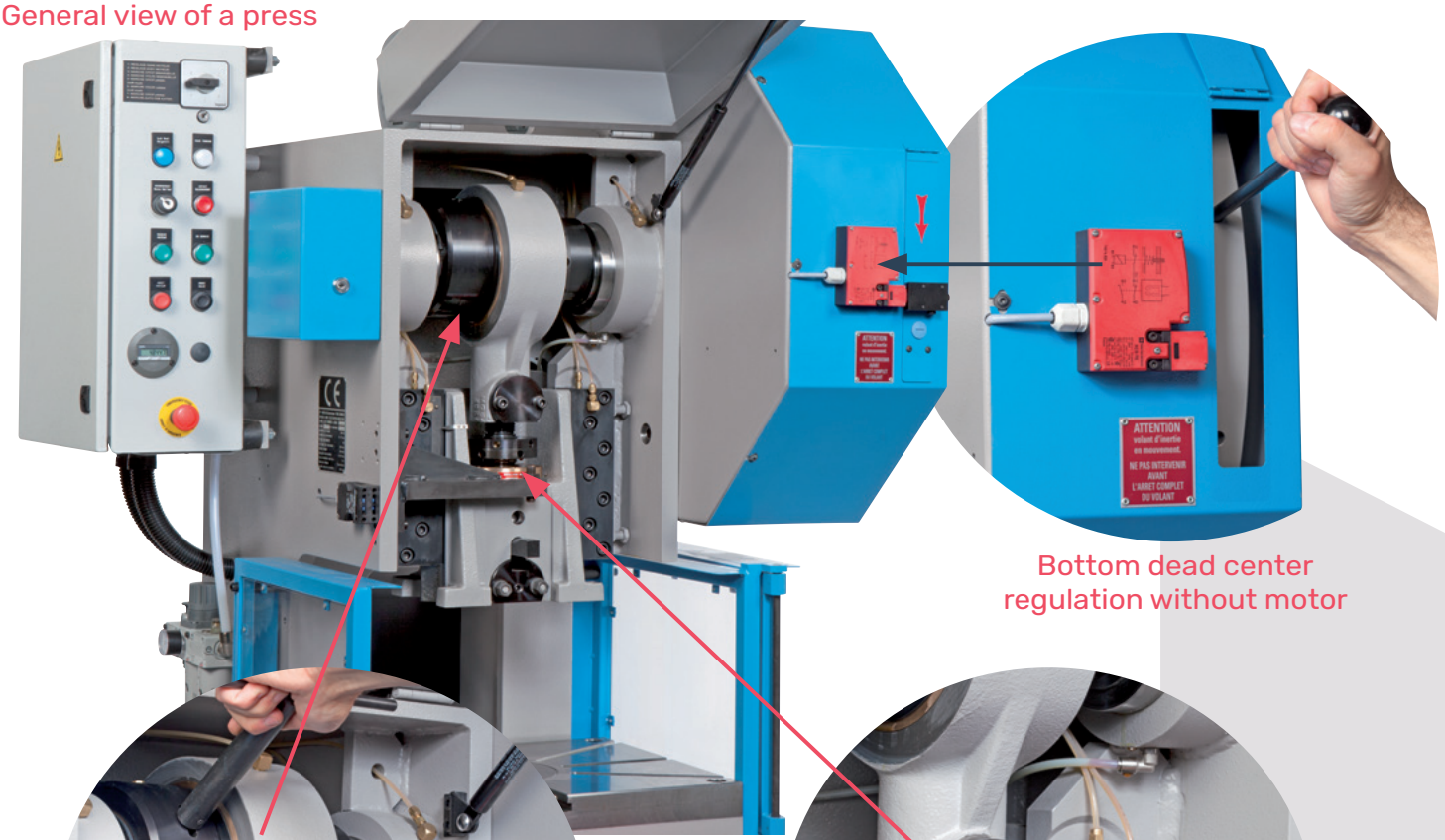
7T HYDRO
with Ø cutting tools in plastic bins



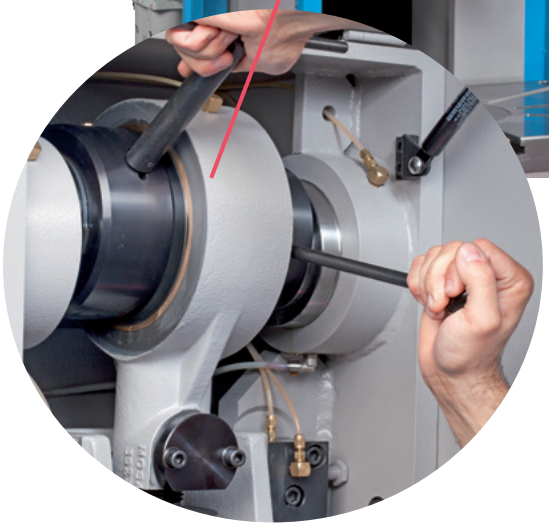
6TLP
with shaft straightening tool

Mechanical Presses
Production Quality

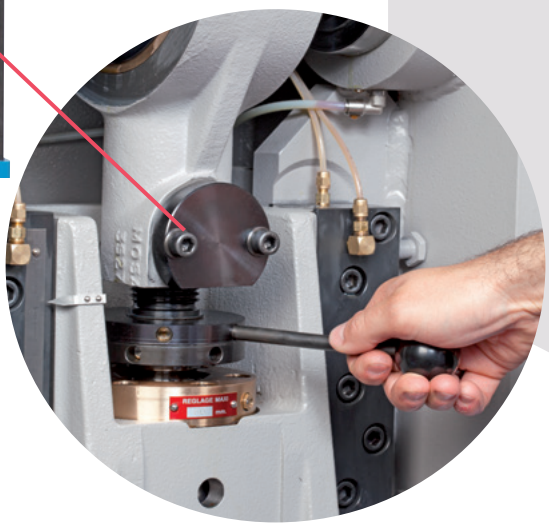
General view of a press



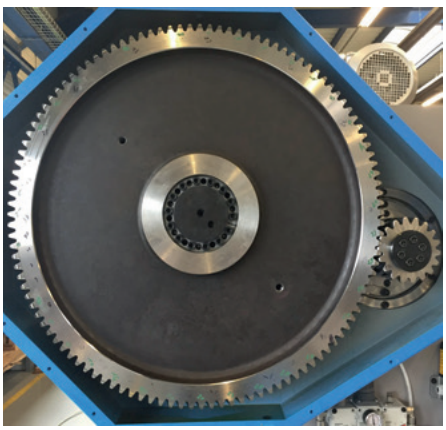
Bottom dead center
regulation without motor



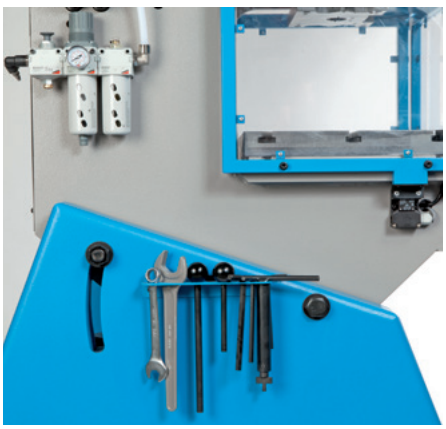
Quick stroke adjustment



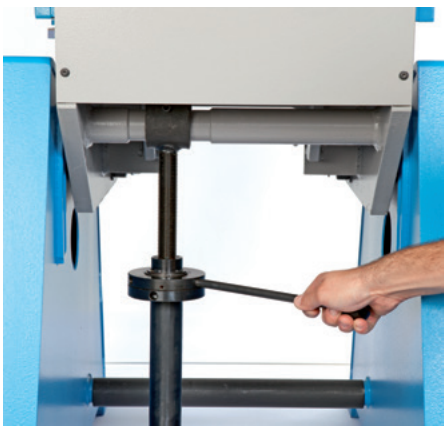
Quick adjustment
of the clear height



View of the 88T sprocket
pinion assembly



Service key support



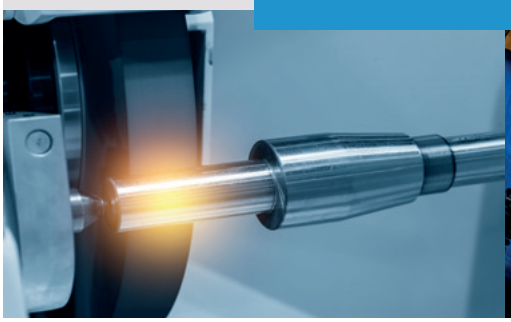
Inclination adjustment
(hydraulic on 50 and 88T)

Integrated Production and Skills

The entire EMG range offers a wide range of options and adaptations to satisfy the requirements of each application:

LONG thus undertakes to design and equip special machines required by the specific activities of each and every profession.

The total expertise of the design and production process also allows customers of the EMG brand to use a large choice of accessories and special services.



MADE IN FRANCE

La FRENCH FAB

The EMG presses guarantee a better return of investment to the manufacturers, thanks to its competitive acquisition and maintenance costs, high performance and an accurate and efficient ergonomy.

Some important points ensuring better productivity quickly and durably.

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Plagence
PRESSES EMG - 05/2024

Non-contractual documents and photos: in the interest of its customers, LONG/EMG can change characteristics of its models.