

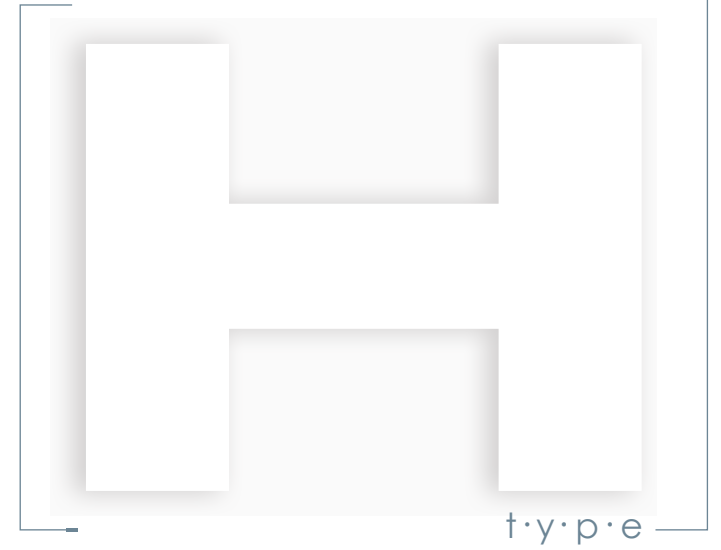
Supertec



Supertec

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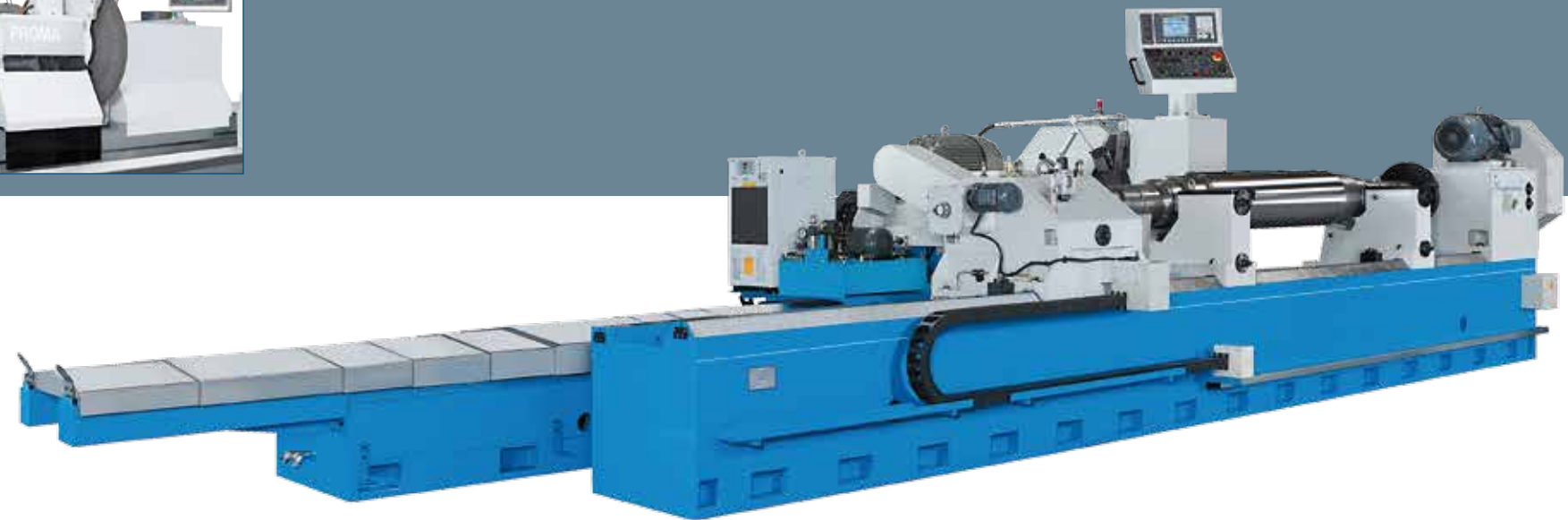
CNC ROLL GRINDER



H t.y.p.e

CNC Roll Grinder

Distance between c.c.: 5M, 6M, 7M, 8M, 10M, 12M
Swing over table : Ø850, Ø1300mm



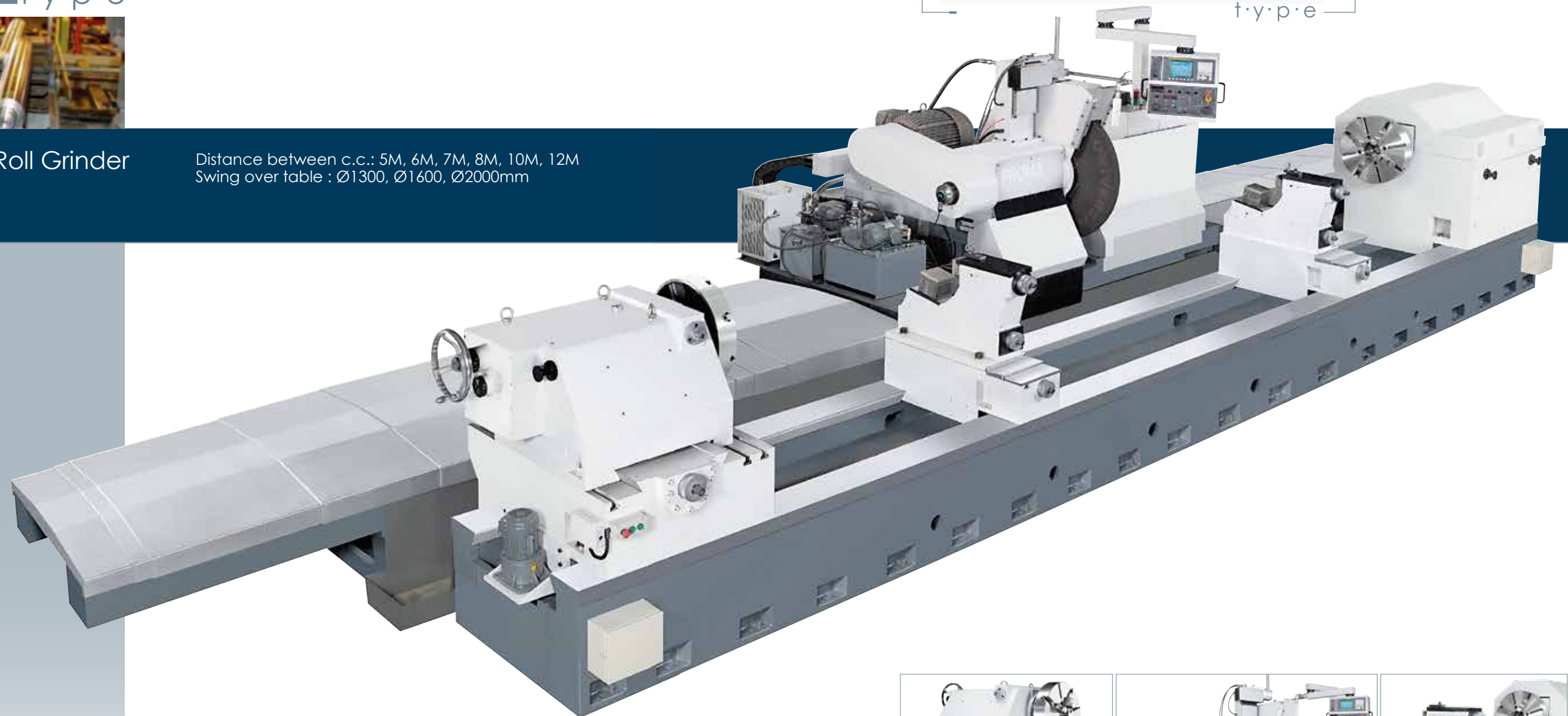
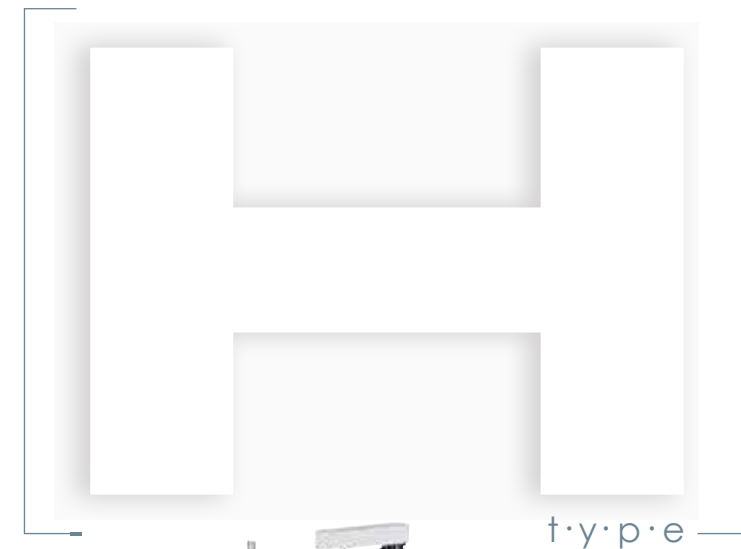
H
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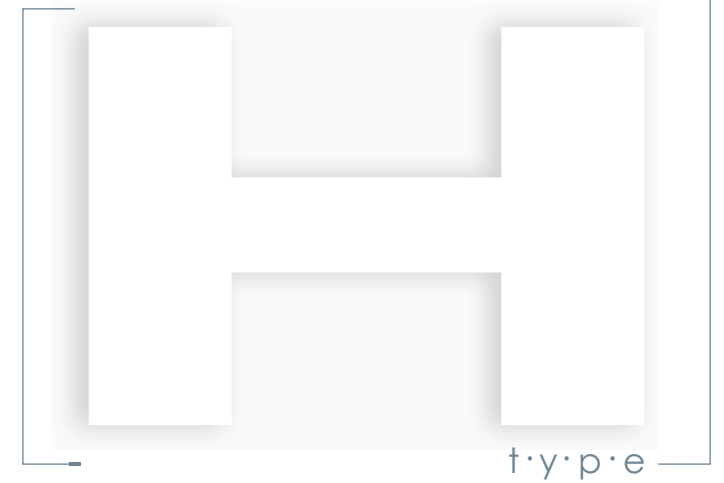
CNC Roll Grinder

Distance between c.c.: 5M, 6M, 7M, 8M, 10M, 12M
Swing over table : Ø1300, Ø1600, Ø2000mm

CNC Roll Grinder



Eguiped With Measuring Device



H t.y.p.e

Eguiped With Measuring Device

CNC Roll Grinder

Distance between c.c.: 5M, 6M, 7M, 8M, 10M, 12M
Swing over table : Ø1600, Ø2000, Ø2500mm



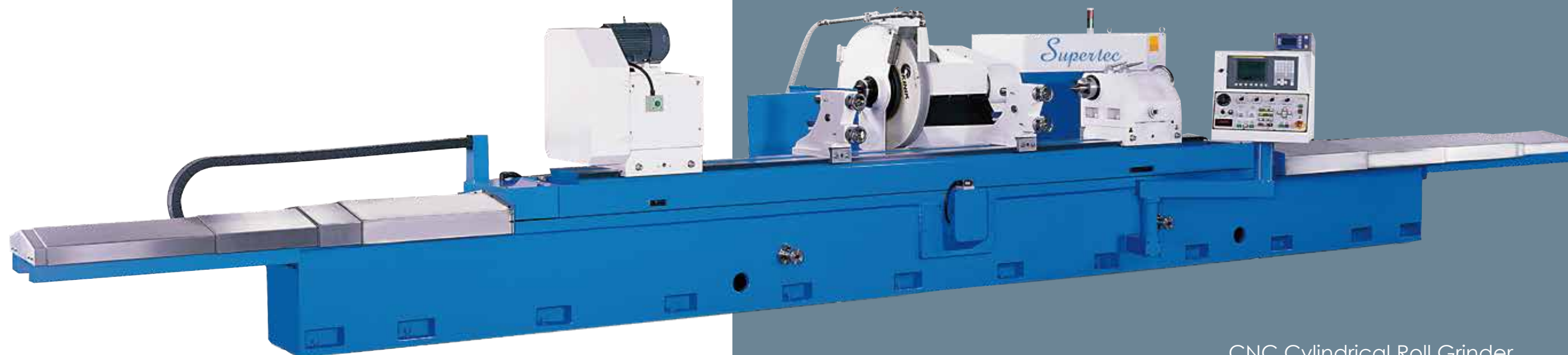
L t · y · p · e CNC Cylindrical Roll Grinder



Distance between c.c.: 3M, 4M, 5M, 6M
Swing over table: Ø 1000mm , Ø 850mm

CNC CYLINDRICAL ROLL GRINDER





CNC Cylindrical Roll Grinder



Mt·y·p·e

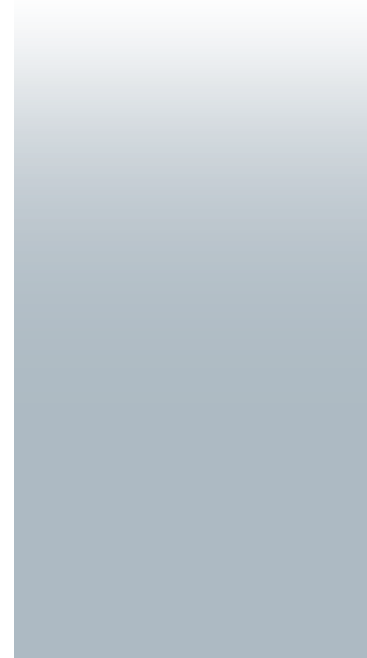
Cylindrical Roll Grinder

M60/40L-C2

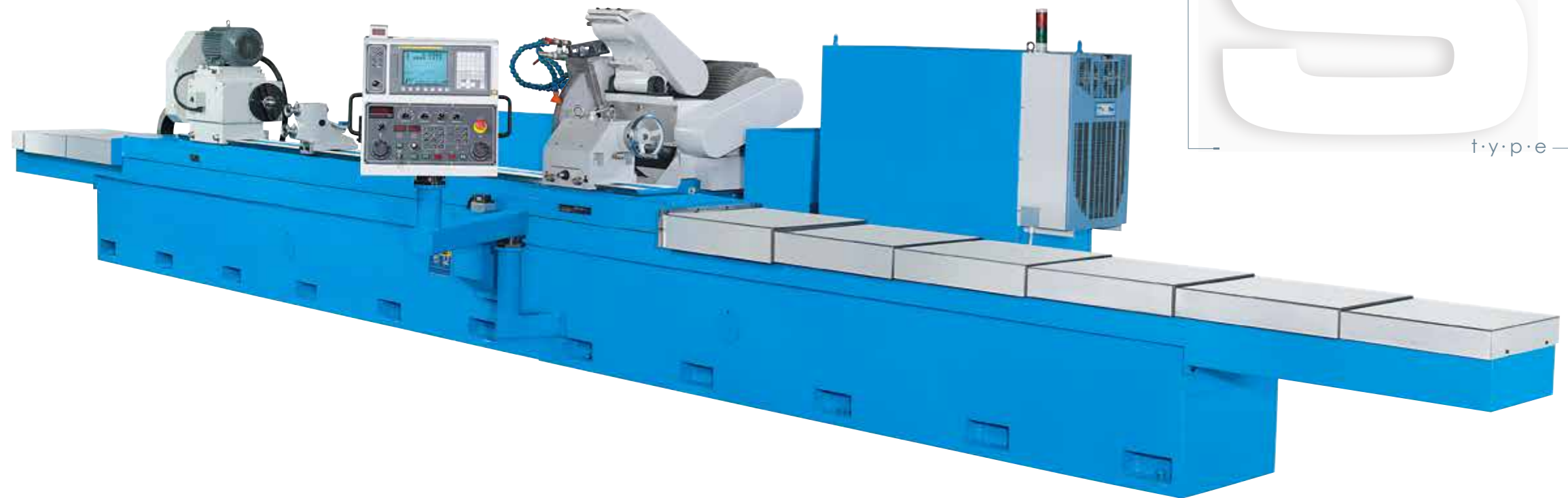
Distance between c.c.: 3M, 4M, 5M, 6M
Swing over table: Ø 600mm



Traditional Cylindrical Roll Grinder



S_{t.y.p.e}



CNC Cylindrical Roll Grinder

SC_{t.y.p.e}

CNC Cylindrical Roll Grinder

S40/30L-C2

Distance between c.c.: 1.5M, 2M, 3M, 4M
Swing over table: Ø 400mm

SC_{t.y.p.e}

CNC Cylindrical Roll Grinder



SC_{t.y.p.e}

CNC Cylindrical Roll
Grinder

FEATURES

Table machine base and carriage

The table/headstock, machine base, and carriage are all made of high strength FC-30 – FC-35 castings. The guideways are constantly being lubricated by a hydrodynamic hydrostatic lubrication system to reduce drag between components and improve part finish.

TAILSTOCK

Tailstock re-positioning is made easy thru the use of an air assist devise mounted on the bottom of the tailstock. Work piece alignment is done via tailstock adjustment. The diamond wheel dresser is mounted on side of the tailstock for easy access. An optional revolving 4-jaw chuck tailstock is available for extremely heavy work pieces.



T
ailstock



Revolution Tailstock (option)

WHEELHEAD

The wheelhead spindle is designed with hydrodynamic bearing and is made of Ni-CR-Mo alloy for superior strength and maximum grinding finish. The wheelhead and carriage are lubricated by a hydrodynamic hydrostatic lubrication system. The spindle and spindle motor utilize an indirect design to avoid strain on the motor.



Wheel Head



Wheel Head Chiller

HEADSTOCK

Headstock RPM is infinitely variable thru use of a frequency motor. Re-positioning is made easy thru the use of an air assist devise mounted on the bottom of the wheelhead. A spring driven trip dog is used to insure smooth start up and rotation of the workpiece. S40 & M60 models use live and dead centers. The L85 uses a rotating center.



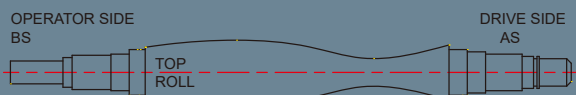
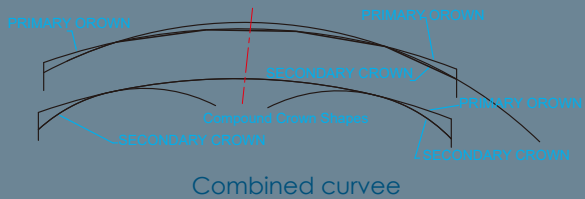
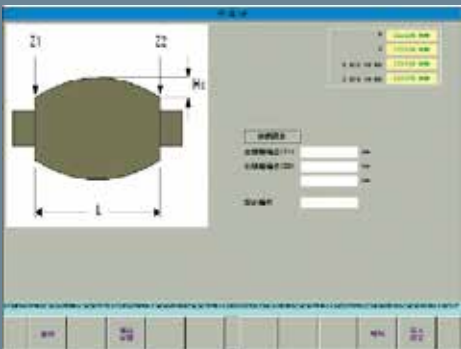
Headstock



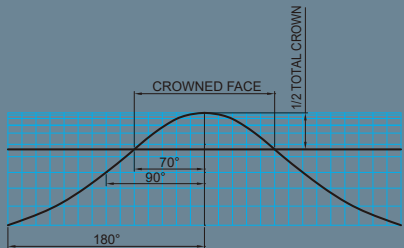
CNC-controller

CNC-CONTROLLED SYSTEM

The FANUC CNC-controller is applied to develop the roll grinding process automatically. The system is configured with a humanized operation panel for user Which made the grinding operation became easy and precision. All the operator need to do just call a cutting program from memory to performed the grinding sequentially. The crown grinding is also easy to get which include base arc curve SINE curve COSINE curve CVC curve and combined arc curve. The camber values was assigned by the program. The system have integrated a net function for output & input Of the data of the cutting & the parameter of machine or maintenance.



Cvc curve



Sine curve

STANDARD SPECIFICATION

ITEM	MODLE		TYPE											
			S40				M60				L85		L100	
Working capacity	Max. swing over table	INCH	Ø 15				Ø 23				Ø 33		Ø 39	
	Max. distance between c.c.	FEET	5FT	6.5FT	10FT	13FT	10FT	13FT	16.5FT	20FT	10FT	13FT	16.5FT	20FT
	Max. weight of workpiece	LB	3300				8800				6000			
	Max. O.D. ground	INCH	Ø 15				Ø 23				Ø 33		Ø 39	
	Rang of grinding dia.	INCH	Ø 0-Ø 15				Ø 0-Ø 23				Ø 0-Ø 33		Ø 0-Ø 39	
Wheelhead & Carriage(X axis)	Wheel size(O. D. x Width x Bore)	INCH	20"x2"x6"				36"x3"x12"							
	Type of lubricating system	-	Hydrostatic & dynamic system											
	Rotating speed of wheel	R.P.M	300-1800				300-1200							
	Max. cross feed rate	INCH/ min	39				78							
	Cross feed per pulse	INCH	0.00004											
Table (Z axis)	Travel of table or head (Z axis)	INCH	Center Distance+8"											
	Travel speed of table	INCH/ min	0~118				0~236							
	Type of lubricating systekm	-	Hydrostatic & dynamic system											
Workhead & Tailstock	Rotation speed of work head	R.P.M	10-100				8-80				6-60			
	Size of center	-	MT# 5				MT# 6							
	Moving speed of tailstock	mm/ min	Manual											
	Stroke of quill	INCH	1.97				3							
Power rating	Grind wheel motor	HP	10HPx6P				20HPx6P				30HPx6P			
	Workhead motor	HP	3HPx6P				7.5HPx6P				10HPx6P			
	Table traverse motor (Z axis)	HP	12NM				22NM				30 NM			
	Tailstock move motor	HP	NON											
	Cross feed motor (X axis)	HP	8NM				12NM							
	Lubricating system	HP	2HP											
	coolant system	Gal	70				90		105		105			

All specifications are subject to change without notice.

STANDARD SPECIFICATION

ITEM	MODLE		TYPE		
			H130	H160	H200
Working capacity	Max. swing over table	INCH	Ø 51	Ø 63	Ø 78
	Max. distance between c.c.	FEET	13,16,20,23,26	16,20,23,26,32,38	20,23,26,32,38
	Max. weight with supports	LB	33000	66000	88000
	Max. O.D. ground	INCH	Ø 51	Ø 63	Ø 78
	Rang of grinding dia.	INCH	80-1300	180-1600	250-2000
	Max. dia of crown	INCH	By program		
Wheelhead & Carriage(X axis)	Wheel size(O. D. x Width x Bore)	INCH	36"x3"x12"		
	Type of lubricating system	-	Hydrostatic & dynamic system		
	Rotating speed of wheel	R.P.M	300-1200		
	Max. cross feed rate	INCH/ min	118		
	Cross feed per pulse	INCH	0.00004		
Table (Z axis)	Travel of table or head (Z axis)	INCH	Center Distance+8"		
	Travel speed of table	INCH/ min	0~236		
	Type of lubricating systekm	-	Hydrostatic & dynamic system		
Support	Roll neck diameter range	INCH	3-15 (13-23 option)	3-15 (13-27 option)	
Workhead & Tailstock	Rotation speed of work head	R.P.M	6-50	3-30	
	Size of center	-	PT# 100		
	Moving speed of tailstock	INCH/ min	78		
	Stroke of quill	INCH	7.8		
Power rating	Grind wheel motor	HP	50HP(40HPX6P)	75HP(60HPX6P)	
	Workhead motor	HP	30HPX6P	40HPX6P	40HPX6P
	Table traverse motor (Z axis)	HP	22NM	30NM	30 NM
	Tailstock move motor	HP	1HPX6P		
	Cross feed motor (X axis)	HP	12NM		
	Lubricating system	HP	2HP		
	Coolant system	Gal	500x2HP		

All specifications are subject to change without notice.

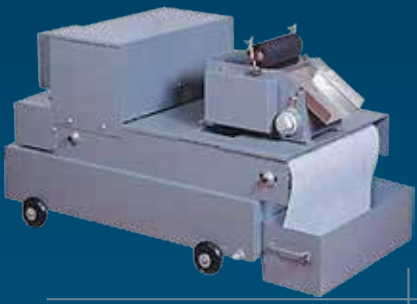
STANDARD SPECIFICATION

Standard Accessories

Item	Description	Unit	Pcs
1	Grinding Wheel	Pcs	1
2	Flange	Set	2
3	Dresser	Set	1
4	Flange puller	Set	1
5	Gage	Set	1
6	Splash Guard	Set	1
7	Paper Filter & Magnetic separator	Set	1
8	Center(MT#5 or MT#6 or PT#100)	Set	1
9	Tool Box	Set	1
10	2 point steady rest support	Set	2
11	Sheet-Metal Covers	Pcs	1
12	Static Grinding wheel balance device and arbor	Set	1

Optional Accessories

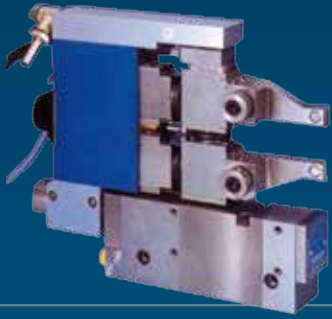
Item	Description	Unit	Pcs
1	Heavy duty 2 point steady rest support	Pcs	
2	Center grinding device	Pcs	
3	carrier	Pcs	
4	Universal joint	Pcs	
5	4-Jaws chuck	Pcs	
6	Live center	Set	
7	Spare flange	Set	
8	Spare grinding wheel	Set	
9	Rotating spindle type tailstock	Set	
10	Portable Balancer	Pcs	
11	Auto balancing system	Set	
12	Roll caliper	Set	
13	Dust collector	Set	
14	Linear Encoder	Pcs	
15	Special curve grinding program	Set	



Filter



Flange & balance device
and arbor



OD sizing device

GRINDING MACHINE

CNC ROLL GRINDER



Center grinding Device



Roll caliper



On-line balanced system



Universal joint



Heavy duty 2 points steady
rest support



2 Points steady rest support



Face & angular dresser