



Manual Stops | Automatic Stops & Pusher Systems | Conveyor Systems
Dimensional Measuring Machines | Turnkey Packages | Customized Solutions

AUTO-STOP AND PUSHER SYSTEMS

PD SERIES - HEAVY DUTY RACK & PINION



STANDARD FEATURES PD100

- Precision linear steel guide rails
- Easy retrofit to existing conveyors and tables
- Steel carriage with hardened double ball bearings
- Magnetic linear encoder for direct measuring
- Steel faceplate with manual arm lift, adjustable in X / Y / Z directions
- Position controller for single position with manual mode, inch/metric conversion
- Motor brake for secure positioning
- Left or right side mounting

GENERAL SPECIFICATIONS

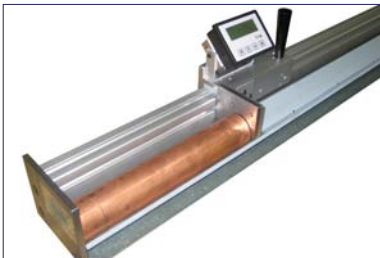
- Travel speed: 20in/sec, others on request
- Repeatability: ± 0.001 in (± 0.03 mm)
- Encoder accuracy: ± 0.001 in (± 0.03 mm)
- Brake force: 2,000N with pneumatic brake option

OPTIONS

- Material grippers
- Pneumatic brake system
- Pneumatic arm lift and lower
- Adjustable pneumatic gripper
- 3,000 line program memory and outputs for full automatic operation
- RS232 interface with communication software for PC
- Photo eye for material recognition and initialization
- Steel constructed conveyor with galvanized rollers
- Flat table with solid steel top
- Plastic rollers for a non-marring surface

DIGITAL LENGTH MEASURING GAUGE

MMP



STANDARD FEATURES

- Light weight and portable design
- Rugged guide rail with T-slots for easy mounting
- Precision and maintenance-free moving carriage with handle
- High-performance slide bearings for smooth and easy positioning
- Battery powered LCD readout with inch/metric and fractional display
- Keypad presets for zero and reference with inch/metric conversion
- High accuracy IP67 rated linear encoder for direct measuring
- Precision ground steel contact plates

SPECIFICATIONS

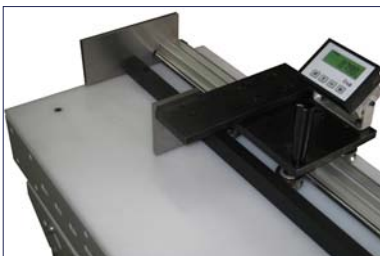
- Resolution: 0.001in or 1/64 fractional or 0.01mm
- Repeat Accuracy: 0.001in (0.01mm)
- Total system length: measuring length + 8in
- Power supply: 'C' battery, approximately 12 month consumption
- Backlit display: 6 digits, 4 keys (48mm x 72mm)
- Temperature range: -20°C to 80°C (-4°F to 176°F)

OPTIONS

- Custom contact plates
- RS232 interface
- V-channel for round stock
- Smooth and wear-free measuring surface

DIGITAL LENGTH MEASURING GAUGE

MMTB - TABLE TOP, MMVB - V-BLOCK



STANDARD FEATURES

- Precision and maintenance free steel roller guideway integrated into aluminum extrusion
- Moving steel stop with handle and fixed steel end stop
- Swivel mounted digital readout with reset button, inch/metric conversion and absolute/incremental mode
- High accurate non-contact magnetic linear encoder with drag chain protected inside cable tray

SPECIFICATIONS

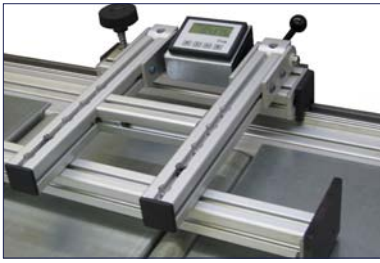
- Encoder resolution: 0.0002in (5microns)
- Display resolution: 0.001in, others on request
- Repeat accuracy: ± 0.001 in (± 0.03 mm)
- Power supply: 'C' battery, approximately 12 month consumption
- Working height: 36in, others on request
- Material diameter: up to 6in (MMVB), others on request

OPTIONS

- Custom contact plates
- Casters for portability
- RS232 interface

MANUAL STOP

MD50D



STANDARD FEATURES

- Steel guide rail with T-slots for easy retrofit mounting
- Carriage with steel roller bearings & Roto-lock brake system
- Steel faceplate with manual arm lift, adjustable in X / Y / Z directions
- Battery powered LCD readout with inch/metric & fractional
- Rugged (IP67 rated) magnetic linear encoder
- Fine tune adjustment knob for 0.001in positioning (MD50D)
- Left or right side mounting

SPECIFICATIONS

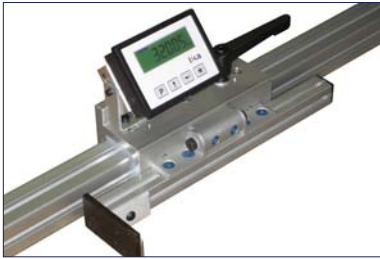
- Brake force: 2,000N
- Resolution: 0.001in or 1/64 fractional or 0.01 mm
- Total length: measuring length + 12in

OPTIONS

- RS232 interface
- Roller conveyor with galvanized rollers
- Flat table with steel top
- Pneumatic arm lift and lower

MANUAL STOP

MD10D



STANDARD FEATURES

- Guide rail with T-slots for easy retrofit
- Carriage with contact gang stop and roto-lock lever
- High-performance slide bearings for smooth and easy positioning
- Battery powered LCD readout with inch/metric and fractional display
- Magnetic linear encoder for direct measuring
- Left or right side mounting

SPECIFICATIONS

- Brake Force: 800N
- Resolution: 0.001in or 1/64 fractional or 0.01mm
- Total length: Measuring length + 8in

OPTIONS

- Mounting brackets
- RS232 interface
- Roller conveyor with galvanized rollers
- Flat table with steel top

MANUAL STOP

VERSA-STOP



STANDARD FEATURES

- Guide rail with T-slots for easy retrofit
- Tool-free operation
- Precision-ground steel contact plates
- High performance slide bearings for smooth operation
- Left or right side mounting
- Bypass feature for unused stops
- Any length with any number of stops available

SPECIFICATIONS

- Brake force: 800N
- Stop spacing: >1-3/8in
- Graduation: 1/16in / 1mm
- Total length: measuring length + 6in

OPTIONS

- Mounting brackets
- Y-axis adjustment brackets
- Roller conveyor with galvanized rollers
- Flat table with steel top

TURNKEY DRILLING SOLUTIONS

KDP SERIES - AUTOMATIC DRILLING SYSTEMS



STANDARD FEATURES

- Heavy duty rack and pinion drive
- Carriage with hardened double ball bearings
- Magnetic linear encoder for direct measuring
- Motor brake for secure positioning
- LED controller, displays in 0.001in (LCD available for fractional)
- 3,000 line program memory (hole-list)
- RS232 interface with PC
- Pneumatic material clamps
- Two speed stroke control with variable drill feed
- Proximity sensors for end of stroke
- Clean hole breakthrough
- Adjustments for varying material widths & center line changes

SPECIFICATIONS

- Carriage travel speed: 15in/sec, others available upon request
- Repeatability: +/- 0.001in (+/- 0.03mm)
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m)
- Total length: measuring length + 36in
- Drill thrust force: up to 1,000lbs
- Spindle speeds: up to 8000 RPM
- VFD for spindle speed adjustments (optional)
- Requirements: 110VAC & 230/460VAC 3-phase & shop air
- Temperature range: -20°C to 80°C (-4°F to 176°F)

TURNKEY SAWING SOLUTIONS

KG SAW SERIES - AUTOMATIC SAWING SYSTEMS



STANDARD FEATURES - PUSHER

- Heavy duty rack and pinion drive
- Precision linear steel guide rails
- Carriage with hardened double ball bearings
- Magnetic linear encoder for direct measuring
- LED controller, displays in 0.001in/0.01mm (LCD available for fractional)
- 3,000 line program memory (cut-list)
- RS232 interface with PC
- Pusher or Stop operation, Semi or Fully automatic
- Repeatability of +/-0.001in

SPECIFICATIONS - PUSHER

- Travel speed: 15in/sec, others on request
- Repeatability: +/-0.001in (+/- 0.03mm)
- Encoder accuracy: +/- 0.001in (+/-0.03mm)

STANDARD FEATURES - COLD SAW

- Pneumatic hydro-check with smart PLC system
- Dual pneumatic clamping system
- Variable Speed Motor: 27 to 108 RPM
- 230V 1 or 3-phase and 460V 3-phase available

STANDARD FEATURES - UPCUT ALUMINUM SAW

- Single head mitre saw with upward blade feed, pneumatically operating.
- Manual rotation of the cutting unit on chosen angles (90°, 45°, 30°) on the right and (90°, 45°, 0°) on the left.
- The profile fence can be pulled back for 50 mm.
- Integrated guard for blade protection.
- Pre-arranged to connect an exhaust extractor for swarfs.
- 230V 3-phase and 460V 3-phase available

TURNKEY TUBE CUTTING SOLUTIONS

PDT SERIES - AUTOMATIC TUBE CUTTING SYSTEMS



STANDARD FEATURES

- Precision linear steel guide rails
- Carriage with hardened double ball bearings
- Magnetic linear encoder for direct measuring
- LED controller, displays in 0.001in/0.01mm (LCD available for fractional)
- 3,000 line program memory (cut-list)
- RS232 interface with PC
- Motor brake for secure positioning
- Accommodates tubes ranging in size from 3/16in OD to 12-3/4in OD, up to 5/8in wall thickness
- Adjustable stroke for maximum cycle efficiency
- Chipless operation
- Smooth, dimple-free cuts

GENERAL SPECIFICATIONS

- Travel speed: 15in/sec, others available upon request
- Repeatability: +/- 0.001in (+/- 0.03mm)
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m)
- Total length: measuring length + 36in

OPTIONS

- Automatic loader for multiple tube cut process
- Offloading device for hands free operation
- Onsite installation and training
- Customized features per each unique application