



Manual Stops - Automatic Stops - Pusher Systems - Measuring Machines
Conveyor Systems - Complete Packages - Custom Products

Product Spotlights

PD SERIES – HEAVY DUTY RACK & PINION SYSTEM

Automatic Stops and Pushers

STANDARD FEATURES PD100

- Precision linear steel guide rails with rack and cable trays
- Easy retrofit to existing or selected conveyors and tables
- 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 and automatic arm retract, control stand
- Linear error compensation, 100 points
- Motor brake for secure positioning
- Left or right side mounting

GENERAL SPECIFICATIONS

- Travel speed: 20in/sec, others available upon request
- Repeatability: +/- 0.001in (+/- 0.03mm)
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m)
- Brake force: 2,000N with Pneumatic brake option
- Push force: 200lbs max. weight, higher upon request

OPTIONS

- 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 TS312 communication software for PC
- Photo eye for material recognition and initialization
- Steel constructed conveyor with galvanized rollers, RC & RH
- Flat table with solid steel top, RF

PD100 stop with RC conveyor



PD stop arm in lift position



RF flat table



PD pneumatic gripper



STANDARD FEATURES

- Precision and maintenance free steel roller guideway
- Welded steel frame construction
- Adjustable V-shaped brackets for tubes, pipes and profiles (MMV/B)
- Rugged table top for various square and rectangular parts (MMT/B)
- Moving carriage with steel stop and handle with fixed steel end stop
- Swivel mounted digital readout with presets
- Linear error compensation
- High accuracy non-contact magnetic linear encoder

GENERAL SPECIFICATIONS

- Measuring length: up to 240in, others upon request
- Material diameter: up to 6in (standard), others upon request
- Encoder resolution: 0.0002in (5microns) for MMV and MMT
0.001in for MMVB and MMTB
- Display resolution: 0.0002in (5microns) for MMV and MMT
0.001in for MMVB and MMTB
- Repeat accuracy: +/- 0.0002in (+/- 5microns)
- Power supply: 110VAC for MMV and MMT
"C" battery powered for MMVB and MMTB

OPTIONS

- RS232 interface for data capture and PC download
- Mounted to casters for easy portability

MM SERIES – HIGH ACCURACY

Digital Length Measuring Machines

MMVB measuring machine



MMV/MMT Display



MD SERIES

Manual Stop Systems

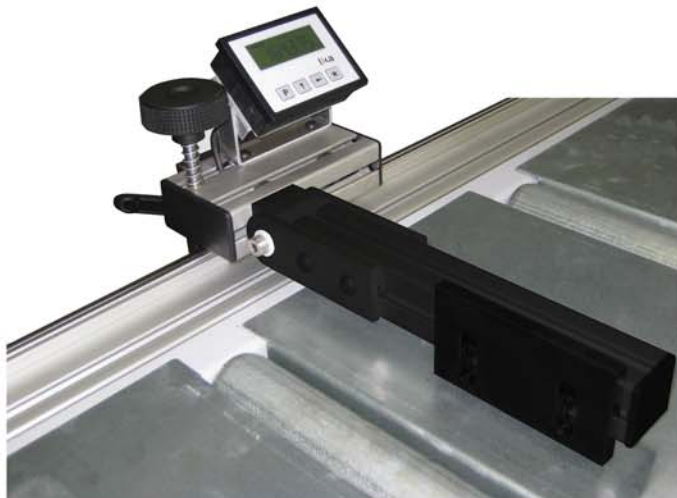
STANDARD FEATURES MD25 / MD25D

- Guide rail with T-slots for easy retrofit
- Carriage with contact bump stop and Roto-lock brake lever
- Roller bearings for smooth and easy positioning
- Inch / metric tape rule with indicator (MD25)
- Battery powered LCD readout with inch/metric & fractional (MD25D)
- Rugged (IP67 rated) magnetic linear encoder (MD25D)
- Fine tune adjustment knob for 0.001in positioning (MD25D)
- Optional gang stop with arm lift & lower (extends 12in from carriage)
- Left or right side mounting

SPECIFICATIONS

- Brake force: 800N
- Resolution MD25D: 0.001in or 1/64 fractional or 0.01mm
- Resolution MD25: 1/32in scale, 1mm scale
- Total length: measuring length + 8in

MD25D with gang stop & RC conveyor with inserts



STANDARD FEATURES MD50 / MD50D

- 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
- Inch / metric tape rule with indicator (MD50)
- Battery powered LCD readout with inch/metric & fractional (MD50D)
- Rugged (IP67 rated) magnetic linear encoder (MD50D)
- Fine tune adjustment knob for 0.001in positioning (MD50D)
- Left or right side mounting

SPECIFICATIONS

- Brake force: 2,000N
- Resolution MD50D: 0.001in or 1/64 fractional or 0.01mm
- Resolution MD50: 1/32in scale, 1mm scale
- Total length: measuring length + 12in
- Arm adjustment: width: 8in, length: 20in, others upon request

MD50D with RC conveyor & material inserts



STANDARD FEATURES MD100 / MD100D

- 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
- Inch / metric tape rule with indicator (MD100)
- Battery powered LCD readout with inch/metric & fractional (MD100D)
- Rugged (IP67 rated) magnetic linear encoder (MD100D)
- Fine tune adjustment knob for 0.001in positioning (MD100D)
- Left or right side mounting

SPECIFICATIONS

- Brake force: 3,500N
- Resolution MD100D: 0.001in or 1/64 fractional or 0.01mm
- Resolution MD100: 1/32in scale, 1mm scale
- Total length: measuring length + 20in
- Arm adjustment: width: 12in, length: 24in, others upon request

MD100D with RC conveyor & material inserts



COMPLETE PACKAGES

Saw and Ironworker Systems

STANDARD FEATURES KG97 SAW

- Swivel saw head with hydraulic power down feed
- Automatic lift and material clamping
- Blade Speeds = Low: 115 fpm; High: 230 fpm
- 1 HP, 230 VAC single phase

Capacity	0°	45°	60°
Round	6.75"	4.93"	3.14"
Rectangle	6.75" x 5.90"	4.33" x 6.75"	4.00" x 2.00"
Square	6.75"	4.53"	2.00"

KG97 saw with auto pusher



ADDITIONAL FEATURES PD AUTOMATIC GAUGE

- Position controller with program memory for full automatic operation
- Magnetic linear encoder for direct measuring
- Pneumatic gripper (pusher) or stop arm (automatic stop)
- Travel speed: 20in/sec, others available upon request
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m)
- Steel constructed conveyor with galvanized rollers, RC & RH
- Flat table with solid steel top, RF

ADDITIONAL FEATURES MD MANUAL STOP

- LCD digital readout with encoder (MD50D) or tape scale rule (MD50)
- Adjustable stop arm with lift and lower for material pass through
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m) (MD50D)
- Steel constructed conveyor with galvanized rollers, RC & RH
- Flat table with solid steel top, RF

KG97 saw with MD50D



STANDARD FEATURES KE55 IRONWORKER

55 Ton Unit Capacities

- Punching:* 1-1/16 diameter in 5/8" plate
- Flat Bar Shearing:* 1/2" x 12" or 3/8" x 14" (width)
3/4" x 4" (thickness)
- Angle Shearing:* 4" x 4" x 1/4" or 3" x 3" x 3/8"
- Open Station:* Throat Depth: 7"
Open Height: 8"
Shut Height: 6-3/4"
Stroke: 1-1/4"

- 5 HP, 230/460 V 3 Phase (single optional)
- Additional models (Ton): 25,50,60,65,75,100,120

KE55 ironworker with auto pusher



ADDITIONAL FEATURES PD AUTOMATIC GAUGE

Punch and Shear stations

- Position controller with program memory for full automatic operation
- Magnetic linear encoder for direct measuring
- Pneumatic or magnetic gripper (pusher) or stop arm (automatic stop)
- Travel speed: 20in/sec, others available upon request
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m)

ADDITIONAL FEATURES – MD50/D MANUAL STOP

Angle Shear station

- LCD digital readout with encoder (MD50D) or tape scale rule (MD50)
- Adjustable stop arm with lift and lower for material pass through
- Encoder accuracy: +/- 0.001in/ft (+/- 0.1mm/m) (MD50D)

PS312 Controller



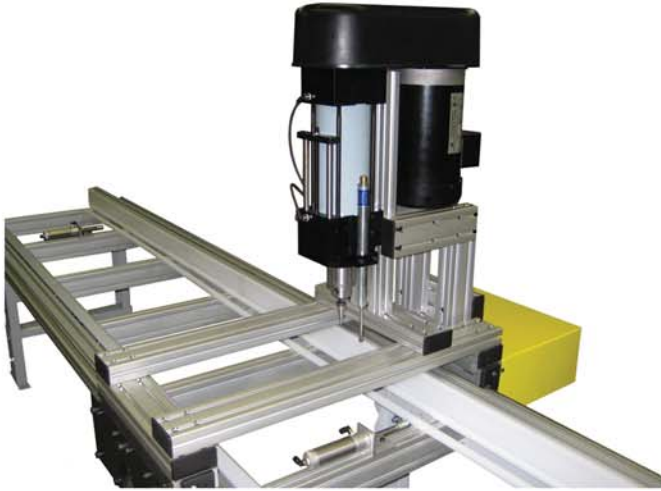
Vertical Gripper



KDP

Automatic Drill Systems

KDP single head vertical drill



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
- Linear error compensation, 100 points
- 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

KDP multi-axis drill - vertical and horizontal



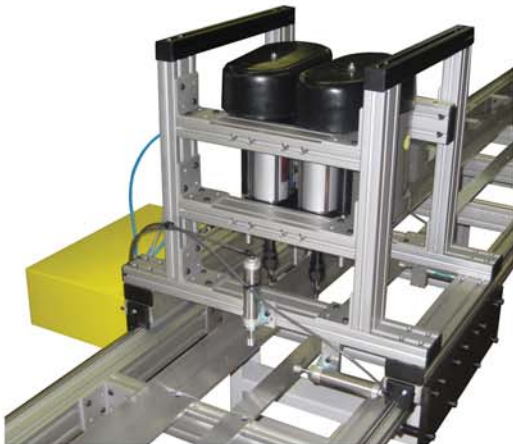
SPECIFICATIONS

- Carriage travel speed: 15in/sec, others available upon request
- Repeatability: +/- 0.001in (+/- 0.03mm)
- Encoder accuracy: +/- 0.001in (+/- 0.01mm/m)
- Total length: measuring length + 36in
- Drill thrust force: up to 1,000lbs (model dependent)
- Spindle speeds: up to 8,000 RPM (model dependent)
- Requirements: 110VAC & 230/460VAC 3-phase & shop air

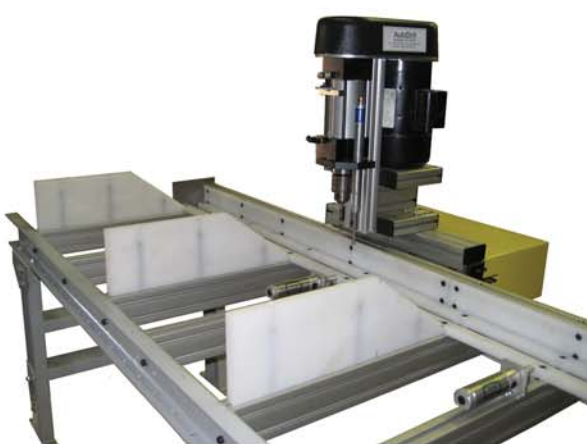
OPTIONS

- Adjustable skip speed / rapid advance through material voids (tubing)
- Multiple spindle heads
- Multiple axis drilling
- Onsite installation and training by factory technician

KDP multi-head drill - vertical



KDP single drill with material ramps



PS312 controller





"We're very happy with our Kentucky Gauge...great people to work with...great service and a great piece of equipment. We rely on it everyday. It greatly improved our work flow and we really couldn't run our business without it."

-Jason Hire
General Manager
The Right Stuff Detailing, Inc.



"The gauge works great. The repeatability is wonderful. We are saving hours per day and virtually have eliminated the scrap from our cutting process."

-Mark Nelson
Manufacturing Engineer
Visa Lighting Corp.

"I have told our owner that the Kentucky Gauge machine was the best piece of equipment we have purchased. It has been absolutely great."

-Pat Dodge
Saw Operator
Ametco Mfg. Corp.



Hymark Ltd.
427 Bark Cove
Owensboro, KY 42303
Phone: (270) 683-3500
Fax: (270) 683-2500
www.kentuckygauge.com