

Pipe Notchers

Contact ACC Machinery in AZ 602-258-7330

Create the Perfect Notch in Seconds!

This line of notching equipment is top-quality, perfect for double corner joints, great for high production, and *always* backed by Scotchman's superior three-year warranty.

Ideal for steel, stainless steel, and non-ferrous tube & pipe construction, hand rails, gates & fences, car frames, roll cages, and more. Each piece is quickly and accurately notched and produces a gap-free fit ready for welding.

The manual and electric notchers are perfect for quick-fit 90° notches. Abrasive grinder/notchers provide the perfect saddle for unique angles on both round and square applications.

Manual Pipe Notchers



AL1

3/4", 1", & 1-1/4"

AL2

1-1/2" & 2"

AL3

1-1/4" & 1-1/2"

ALU

Vent notch; 0.155" max. wall thickness

FEATURES

- Portable and easy to mount to any stationary surface
- Notch several diameters up to schedule 40 wall thickness at 90°
- Requires no change-over or costly attachments
- Made in the Netherlands



Electric Pipe Notchers

AL1-2E



AL1-2U



FEATURES

- Equipped to notch 3/4", 1", 1-1/4", 1-1/2" and 2" up to schedule 40 wall thickness at 90°
- Safety guards surround and protect notching dies
- Made in the Netherlands

SPECIFICATIONS

Motor Options (must specify)	3.5hp 230/460v, 3ph
Dimensions	30" x 13-1/2" x 11-1/2" (762mm x 343mm x 292mm)
Shipping Weight (may vary)	AL1-2E: 230 lbs. (104 kg) AL1-2U: 230 lbs. (104 kg)



Equipped with a vent notching die to quickly create a uniform vent-notch in round or square workpieces for galvanizing outflow

Pipe Notchers

Abrasive Grinder/Notchers

Constructed with heavy-duty base and frame, Scotchman's Grinder/Notchers operate smoothly with minimal vibrations. Each machine is designed for easy setup with one vise to hold all sizes of tube & pipe that is graduated in degrees and a mandrel with centerline adjustments. Tool-free belt and mandrel changes make transitions quick and easy.

AL100 SERIES FEATURES

- Notches via adjustments straight = 90° to 30° in tube or pipe from 3/4" to 3" O.D. in seconds (chart pg. 50)
- Comes with two belts and two pipe mandrels (1-1/4" & 1-1/2")
- 13 optional mandrels available to ensure gap free fit
- Top mounted deburring table
- Two axis precision crossfeed table with hand lever feed handle (AL100U-01) or handwheels (AL100U-02)
- Made in the Netherlands



AL100U-01



AL100U-02



SPECIFICATIONS

	AL100U-01	AL100U-02	AL150	AL150-HS
Belt	4" x 78-3/4" (100mm x 2,000mm)	4" x 78-3/4" (100mm x 2,000mm)	6" x 78-3/4" (150mm x 2,000mm)	6" x 78-3/4" (150mm x 2,000mm)
Speed	4.5 hp, 3,420 RPM	4.5 hp, 3,420 RPM	6 hp, 3,420 RPM	6 hp, 4,320 RPM
Grinding Capacity	1/2" to 3" O.D.	1/2" to 3" O.D.	1/2" to 4-1/2" O.D.	1/2" to 4-1/2" O.D.
Angle Range	Straight= 90° to 30°	Straight= 90° to 30°	Straight= 90° to 20°	Straight= 90° to 20°
Motor Options (must specify)	230/460v, 3ph 220v, 1ph	230/460v, 3ph 220v, 1ph	230/460v, 3ph 220v, 1ph	230/460v, 3ph *HS only comes in 3ph
Dimensions	L- 57" (145cm) W- 45-1/4" (115cm) H- 25-1/2" (65cm)	L- 57" (145cm) W- 45-1/4" (115cm) H- 25-1/2" (65cm)	L- 57" (145cm) W- 47-1/4" (120cm) H- 33-1/2" (85cm)	L- 57" (145cm) W- 47-1/4" (120cm) H- 33-1/2" (85cm)
Shipping Weight (may vary)	460 lbs. (209 kg)	460 lbs. (209 kg)	615 lbs. (279 kg)	695 lbs. (315 kg)

PIPE NOTCHERS

AL150 SERIES FEATURES

- Notches via adjustments straight = 90° to 20° in tube or pipe from 3/4" to 4-1/2" O.D. in seconds (chart on page 50)
- Two axis precision crossfeed table with both handwheels and hand lever feed handles.
- Comes with two belts and two pipe mandrels (1-1/4" & 1-1/2")
- 17 optional mandrels available to ensure a gap free fit
- Top mounted deburring table (AL150)
- BackHigh speed parts grinder (AL150-HS)
- Base has two built-in racks to store mandrels (AL150-HS)
- Made in the Netherlands



AL150

High Speed Parts Grinder



AL150-HS

- Ideal for stainless & aluminum
- 40% faster than the AL150
- Less heat, minimal discoloration

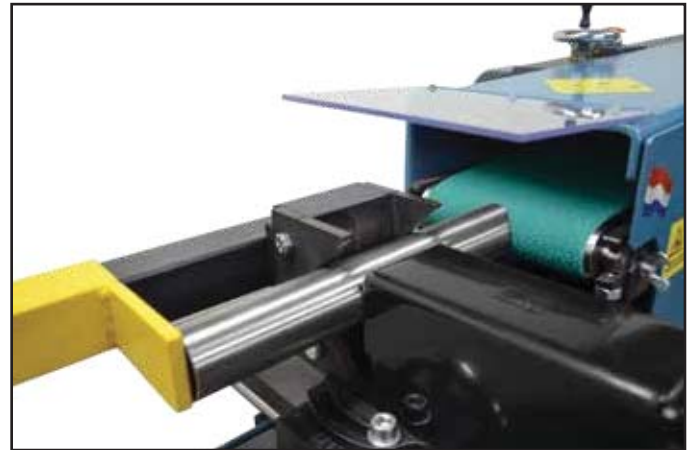
Pipe Notcher *Accessories*

BACK GAUGE ACCESSORY

For All AL100 and AL150 Models

- Use to set length positions and control depth of notch for repeatable and accurate part lengths.
- 4 ft. working length

Scan to watch
Back Gauge
in Action



Mandrels For Abrasive Grinder/Notchers

17 mandrel sizes available to ensure a gap-free fit.



PIPE NOTCHERS

MANDREL SPECIFICATIONS

Pipe	Tube	Decimal Size	AL100U-01 / AL100U-02 4" Part #	AL150 / AL150-HS 6" Part #
1/2"		0.840	A042.21.3	A043.21.3
	1.000	1.000	A042.26	A043.26
3/4"		1.060	A042.26.9	A043.26.9
	1.250	1.250	A042.32	A043.32
1"		1.330	A042.33.7	A043.33.7
	1.500	1.500	A042.38	A043.38
1-1/4"		1.660	A042.42.4	A043.42.4
	1.750	1.750	A042.44	A043.44
1-1/2"		1.900	A042.48.3	A043.48.3
	2.000	2.000	A042.50	A043.50
2"		2.375	A042.60.3	A043.60.3
	2.500	2.500	A042.63.5	A043.63.5
2-1/2"		2.875	A042.73.1	A043.73.1
	3.000	3.000	A042.76.1	A043.76.1
3"		3.500		A043.88.9
	3.500	3.500		A043.88.9
3-1/2"		4.000		A043.101.6
4"		4.500		A043.114.3

Pipe Notcher *Accessories*

Belts For Abrasive Grinder/Notchers

Productivity

In most applications, abrasive belt notchers dramatically increase productivity. Unlike conventional grinding wheels, abrasive belts are self-sharpening, continuously exposing fresh cutting points. This means no more dressing or replacing expensive grinding wheels.



$$\text{Productivity} = \frac{\text{belt cost} + \text{labor} + \text{overhead}}{\text{number of parts ground}}$$

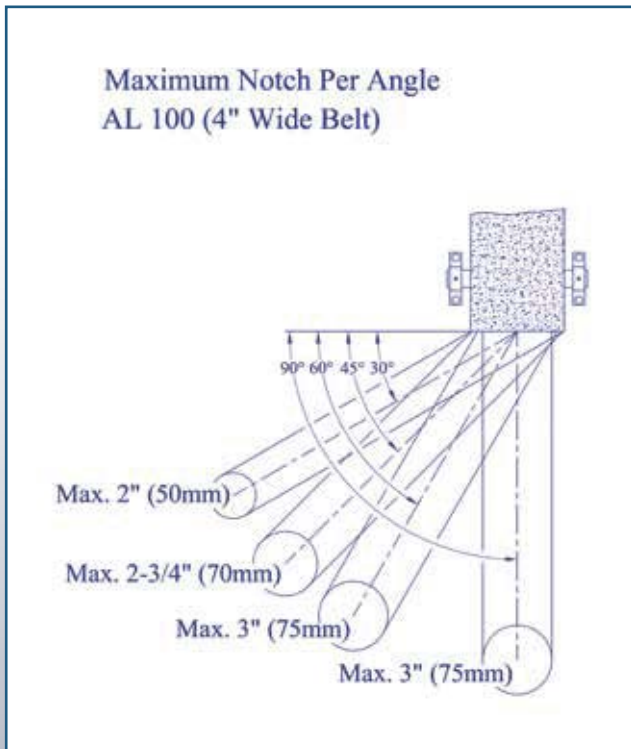
Metal Removal

The rate of metal removal is determined by material to be ground, belt type, belt speed (SFPM) and the amount of pressure applied during grinding.

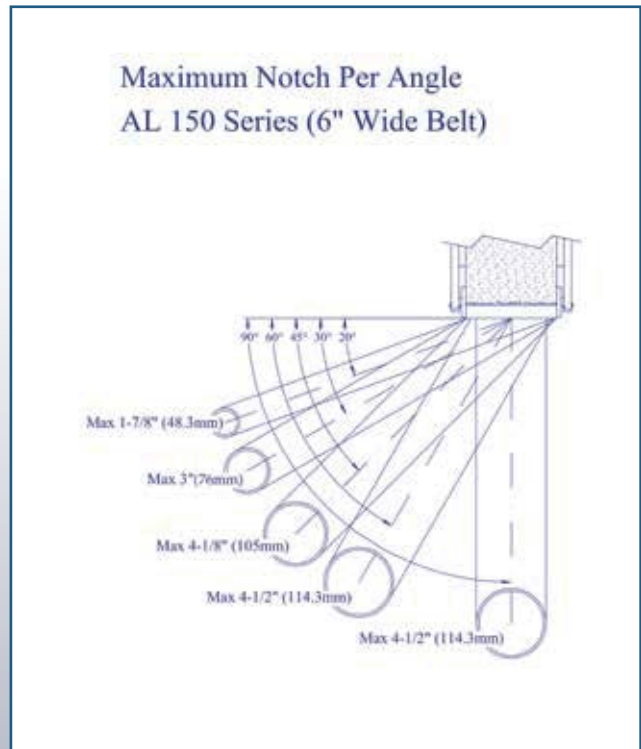
ABRASIVE GRINDING BELT SPECIFICATIONS			
Length/Grit	Product No.	Packaging	Description
4" x 78-3/4" (100mm x 2,000mm) / 36 GRIT	A044.00001	10 Belts Per Box	Rigid Belt for 3/4" & Larger Diameter
4" x 77-1/2" (100mm x 1,968.5mm) / 36 GRIT	A044.00003	10 Belts Per Box	Flexible Belt for 3/4" & Smaller Diameter
6" x 78-3/4" (150mm x 2,000mm) / 36 GRIT	A044.00002	10 Belts Per Box	Rigid Belt for 3/4" & Larger Diameter
6" x 77-1/2" (150mm x 1,968.5mm) / 36 GRIT	A044.00004	10 Belts Per Box	Flexible Belt for 3/4" & Smaller Diameter

*Notchers with serial numbers 0001000-0001300, 9701301-9701650 & 9801651-9801700 require 4" x 77" belts

TECHNICAL DATA - 4" BELT



TECHNICAL DATA - 6" BELT



PIPE NOTCHERS

Hydraulic Presses

PressPro Series



PressPro 66
66 ton



PressPro 110
110 ton



PressPro 110W
110 ton wide frame

STANDARD FEATURES

- Heavy duty all-steel construction
- Industrial grade hydraulic system
- Ram moves laterally for added versatility
- 3 Ram speeds
- 15" of vertical ram travel
- Joystick operation with manual jog
- Removable ram cap to accept a wide variety of tooling
- Adjustable H-frame bed/table height offers increased versatility
- Open side-frame design allows for material to pass through
- Set of V-Blocks to simplify your pressing jobs
- Pressure gauge to monitor force
- Hydraulic-assist adjustable work table to maximize operator safety
- Built-in forklift accommodations (except model 176MT)
- Meets CE standards
- Three-year warranty
- Made in USA

STANDARD V-BLOCK SET

Available on PressPro 66, 110, 110W, 176 models

Standard Accessories: • 2 Steel V-Blocks



OPTIONAL MANDREL SET

Available on PressPro 66, 110, 110W models



HYDRAULIC PRESSES

Hydraulic Presses *PressPro Series*



PressPro 176
176 ton



PressPro 176MT
176 ton with movable frame

- The movable frame feature allows for overhead loading of heavy workpieces
- Easily slide the ram head (side to side) and press frame (forward and back) to access all different points of the work surface.

SPECIFICATIONS

	PressPro 66	PressPro 110	PressPro 110W (Wide Frame)	PressPro 176	PressPro 176MT (Movable Frame)
Press Force	66 tons (60 mt)	110 tons (100 mt)	110 tons (100 mt)	176 tons (160 mt)	176 tons (160 mt)
Motor Rate	2.5 hp (1.8 kW)	3.5 hp (2.6 kW)	3.5 hp (2.6 kW)	5 hp (3.6 kW)	5 hp (3.6 kW)
Motor Options (must specify)	230/460v, 3ph	230/460v, 3ph	230/460v, 3ph	230/460v, 3ph	230/460v, 3ph
Ram Speed - Approach	21 ipm (8.69 mm/s)	18 ipm (7.54 mm/s)	18 ipm (7.54 mm/s)	18 ipm (7.48 mm/s)	18 ipm (7.48 mm/s)
Ram Speed - Press	5 ipm (2.07 mm/s)	6 ipm (2.47 mm/s)	6 ipm (2.47 mm/s)	6 ipm (2.40 mm/s)	6 ipm (2.40 mm/s)
Ram Speed - Return	25 ipm (10.79 mm/s)	21 ipm (9.06 mm/s)	21 ipm (9.06 mm/s)	22 ipm (9.35 mm/s)	22 ipm (9.35 mm/s)
Open Height - Min.	6-5/16" (160 mm)	8-1/4" (210 mm)	8-1/4" (210 mm)	9-1/2" (241 mm)	-
Open Height - Max.	31-15/16" (811 mm)	29-3/4" (755 mm)	29-3/4" (755 mm)	32" (813 mm)	27-5/8" (702 mm) w/small ram cap
Stroke	15"	15"	15"	15-3/4"	15-3/4"
Lateral Ram Slide	Yes	Yes	Yes	Yes	Yes
Width Between Uprights	29-1/2"	43-1/4"	59"	43-3/16"	43-3/16"
Width Between Table Channels	11-15/16"	14-1/4"	14-1/4"	17-1/16"	9-5/8"
Table Height**	Adjustable	Adjustable	Adjustable	Adjustable	Fixed at 30" Table Size (L x W): 54-1/2" x 38-1/2" Frame Movement: 38-1/2" Max Load: 1,653 lbs. (750 kg)
Footprint (L x W)	57-3/4" x 39-1/4" (147 cm x 100 cm)	67-1/2" x 41" (171.5 cm x 104 cm)	83-1/8" x 41" (211 cm x 104 cm)	69-1/8" x 42-3/8" (175.5 cm x 107.5 cm)	68-1/2" x 69" (174 cm x 175.5 cm)
Height Overall	82-3/4" (210 cm)	83-3/8" (212 cm)	83-3/8" (212 cm)	87" (221 cm)	85" (216 cm)
Shipping Weight	1,600 lbs. (726 kg)	3,000 lbs. (1,361 kg)	3,450 lbs. (1,565 kg)	3,680 lbs. (1,669 kg)	4,500 lbs. (2,041 kg)

**Movement of ram cylinder and press frame are done manually. Hydraulic assist for table height adjustment.

Contact your local distributor ACC Machinery Co., Inc. 602-258-7330