

S-20A



BALL SCREW FEED SYSTEM

Improve cycle time! Automatic material indexing up to 27" in a single stroke. The shuttle vise is powered by a ball screw and stepper motor for fast, accurate indexing.

AUTOMATIC PLC CONTROL

Automatic mode: displays blade speed, blade tension part length, quantity required, and piece count, job run time, total blade run time Machine will shut down when the required number of pieces have been cut.



Photos may show optional equipment.



STANDARD FEATURES

- Easy swing, heavy duty cast iron saw head
- Cast iron shuttle features automatic multi-indexing up to 27" in a single stroke. Powered by ball screw and stepper motor.
- 5 HP VFD. True direct blade drive - no belts/pulleys
- On-demand hydraulics save energy
- Blade chamber separates material from cut part
- Cast iron band wheels
- Automatic PLC, touch screen control programmable up to 100 jobs with 20 in queue
- Replaceable blade brush
- Robust steel base
- Easy to read angle scale with angle locking mechanism
- Cast iron guide arms mounted on linear rails is adjustable for proper spacing.

- Easy access electrical panel
- Full capacity, full stroke hydraulic vises
- Out of stock switch
- Mechanical band tensioning with digital readout
- Hydraulic positive down feed
- Replaceable carbide guide inserts
- Safety door interlocks
- Flood coolant with wash down hose
- Laser light & work light
- Variable vise pressure

OPTIONAL FEATURES

- Full capacity hydraulic overhead bundling
- Mist lubrication
- Idler and powered conveyors

SPECIFICATIONS

		S-20	S-20P	S-20A	S-23P
Rectangular Capacity (h x w)	90°	13" x 18" / 330 mm x 457 mm	13" x 18" / 330 mm x 457 mm	13" x 18" / 330 mm x 457 mm	16" x 20" / 406 mm x 508 mm
	45°	13" x 10 3/4" / 330 mm x 273 mm	13" x 10 3/4" / 330 mm x 273 mm	13" x 10 3/4" / 330 mm x 273 mm	16" x 14" / 406 mm x 355 mm
	30°	13" x 7 3/4" / 330 mm x 197 mm	13" x 7 3/4" / 330 mm x 197 mm	13" x 7 3/4" / 330 mm x 197 mm	16" x 9 1/2" / 406 mm x 241 mm
Round Capacity	90°	13" / 330 mm	13" / 330 mm	13" / 330 mm	16" / 406 mm
	45°	12" / 304 mm	12" / 304 mm	12" / 304 mm	14" / 355 mm
	30°	8 1/2" / 216 mm	8 1/2" / 216 mm	8 1/2" / 216 mm	9 1/2" / 241 mm
Blade Drive	3 HP VFD / 2.2 kW VFD		3 HP VFD / 2.2 kW VFD	5 HP VFD / 3.7 kW VFD	8.8 HP VFD / 6.6 kW VFD
Blade Speed	45-330 SFM / 14-101 MPM		45-330 SFM / 14-101 MPM	75-350 SFM / 23-107 MPM	75-350 SFM / 23-107 MPM
Blade Size	1" x 14' 10" / 25.4 mm x 4521.2 mm		1" x 14' 10" / 25.4 mm x 4521.2 mm	1" x 14' 10" / 25.4 mm x 4521.2 mm	1 1/4" x 16' 10" / 31.7 mm x 5130.8 mm
Coolant Tank Capacity	6 Gal. / 23 ltr		6 Gal. / 23 ltr	12 Gal. / 45 ltr	9 Gal. / 34 ltr
Table Height	31" / 787 mm		31" / 787 mm	31" / 787 mm	33" / 838 mm
Voltages Available	208, 240, 480, 575 v		208, 240, 480, 575 v	208, 240, 480, 575 v	208, 240, 480, 575 v
Weight	2,200 lbs. / 998 kg		2,500 lbs. / 1134 kg	3,800 lbs. / 1724 kg	2,900 lbs. / 1315 kg
Dimensions	Width	92" / 2337 mm	92" / 2337 mm	93" / 2362 mm	101" / 2565 mm
	Length	75" / 1905 mm	75" / 1905 mm	86" / 2184 mm	80" / 2032 mm
	Height	52" / 1320 mm	52" / 1320 mm	52" / 1320 mm	61" / 1550 mm
		S-23A	M-16A	M-20A	M-20A-120
Rectangular Capacity (h x w)	90°	16" x 20" / 406 mm x 508 mm	16" x 25" / 406 mm x 635 mm	20" x 30" / 508 mm x 762 mm	20" x 30" / 508 mm x 762 mm
	45°	16" x 14" / 406 mm x 355 mm	16" x 15" / 406 mm x 381 mm	20" x 19" / 508 mm x 482 mm	20" x 19" / 508 mm x 482 mm
	30°	16" x 8 1/2" / 406 mm x 215 mm	16" x 9" / 406 mm x 228 mm	20" x 12" / 508 mm x 304 mm	20" x 12" / 508 mm x 304 mm
Round Capacity	90°	16" / 406 mm	16" / 406 mm	20" / 508 mm	20" / 508 mm
	45°	14" / 355 mm	16" / 406 mm	20" / 508 mm	20" / 508 mm
	30°	8 1/2" / 215 mm	11" / 280 mm	14" / 355 mm	14" / 355 mm
Blade Drive	8.8 HP VFD / 6.6 kW VFD		7.5 HP VFD / 5.5 kW VFD	10 HP VFD / 7.4 kW VFD	10 HP VFD / 7.4 kW VFD
Blade Speed	75-350 SFM / 23-107 MPM		50-350 SFM / 15-107 MPM	50-350 SFM / 15-107 MPM	50-350 SFM / 15-107 MPM
Blade Size	1 1/4" x 16' 10" / 31.7 mm x 5130.8 mm		1 1/4" x 18' 6" / 31.7 mm x 5638.8 mm	1 1/2" x 20' 6" / 38.1 mm x 6248.4 mm	1 1/2" x 20' 6" / 38.1 mm x 6248.4 mm
Coolant Tank Capacity	12 Gal. / 45 ltr		9 Gal. / 34 ltr	9 Gal. / 34 ltr	9 Gal. / 34 ltr
Table Height	33" / 838 mm		32" / 812 mm	32" / 812 mm	35" / 889 mm
Voltages Available	208, 240, 480, 575 v		208, 240, 480, 575 v	208, 240, 480, 575 v	240, 480 v (208, 575 v nc trans)
Weight	4,200 lbs. / 1905 kg		7,400 lbs. / 3357 kg	7,700 lbs. / 3493 kg	12,700 lbs. / 5761 kg
Dimensions	Width	101" / 2565 mm	132" / 3352 mm	129" / 3276 mm	129" / 3276 mm
	Length	95" / 2413 mm	90" / 2286 mm	90" / 2286 mm	210" / 5334 mm
	Height	61" / 1549 mm	66" / 1676 mm	110" / 2794 mm	110" / 2794 mm

In line with HYDMECH's policy of on-going product improvement, we reserve the right to modify features and specifications.