

Endfinishing Machines

Models: 900, 912, 922, 940, 950

Outstanding machine features include:

Hydraulic feed systems.

Feed is positive, precise, and fast at any machine speed. A length tolerance of ± 0.005 " or better can be expected. The Model 900 utilizes a pneumatic feed system.

AC frequency spindle drive.

The variable speed drive with tachometer and energy efficient motors lets the operator dial in precise RPM for a given tube size. The low maintenance compared to belt drives increases machine uptime and total piece production.

Quick change carbide inserted cutters.

The cutters use a standard carbide insert usable in nine different locations. Changing cutters or carbide inserts can be accomplished in minutes.

Length Adjustment.

Since one cutting head is stationary, the opposite head adjusts in or out on hardened precision machine surfaces to a specified length. (The Model #922 features two movable heads around a fixed center clamping mechanism). Automatic head lock-up and a digital length readout are standard machine features.

Specifications

MODEL 900 END FINISHING MACHINE	MODEL 912 END FINISHING MACHINE
TUBE DIAMETER: .312" to 1.0" (8mm to 25mm)	TUBE DIAMETER: .50" to 3.00" (12.7mm – 76.2mm)
WALL THICKNESS: .028" to .060" (.71mm to 1.5mm)	WALL THICKNESS: .028" to .120" (.71mm – 3mm)
TUBE LENGTH (manual load): 2.00" to (40"/80"/120"); 50mm (1M, 2M, 3M) Tubes longer than 1M may need center support	TUBE LENGTH: 2.00" to (40"/80"/120") 50mm (1M, 2M, 3M) 6.00" (150mm) minimum on autoloader system.
FINISH LENGTH TOLERANCE: +/- .005" (.125mm)	FINISH LENGTH TOLERANCE: +/- .005" (.125mm)
SPINDLE DRIVES: 1.5 HP AC Frequency Variable Speed Drive	SPINDLE DRIVES: 7.5 HP AC Frequency Variable Speed Drive
MODEL 922 END FINISHING MACHINE	MODEL 940 END FINISHING MACHINE
TUBE DIAMETER: .50" to 3.00" (12.7mm – 76.2mm)	TUBE DIAMETER: .50" to 4.00" (12.7mm – 102mm)
WALL THICKNESS: .028" to .120" (.71mm – 3mm)	WALL THICKNESS: .028" to .165" (.71mm – 4.2mm)
TUBE LENGTH: 1.375" to 8.00" (35mm – 203mm)	TUBE LENGTH: 2.00" to (40"/80"/120") 50mm (1M, 2M, 3M) 6.00" (150mm) minimum on autoloader system.
FINISH LENGTH TOLERANCE: +/- .005" (.125mm)	FINISH LENGTH TOLERANCE: +/- .005" (.13mm)
SPINDLE DRIVES: 7.5 HP AC Frequency Variable Speed Drive	SPINDLE DRIVES: 7.5 HP AC Frequency Variable Speed Drive
MODEL 950 END FINISHING MACHINE	All Models:
TUBE DIAMETER: 2.00" to 5.00" (50mm – 127mm)	MATERIAL: Carbon Steel, Alloys, Stainless, Non-Ferrous
WALL THICKNESS: .060" to .250" (1.5mm – 6.2mm)	CUTTER TYPES: A: Dedicated Carbide Inserted NC type cutters. Quick Change Tooling. B: Adjustable Carbide Inserted Cutter.
TUBE LENGTH: 10" to (40"/80"/120") 250mm (1M, 2M, 3M)	TUBE FINISH: 30 degree I.D./O.D. chamfer. Endface flat and square to centerline of tube. *Other chamfer angles available.
FINISH LENGTH TOLERANCE: +/- .005" (.125mm)	CONTROLS: Microprocessor.
SPINDLE DRIVES: 15 HP AC Frequency Variable Speed Drive	HYDRAULIC SYSTEM: Piston pump, manifold mounted NFPA directional valves.
	HYDRAULIC FEED: Infinitely variable flow control.
	ELECTRICAL: 480 V 60HZ/3PH Standard (others as specified)
	HEAD ADJUSTMENT: Powered Lead Screw *Model 900 is manually set.

Fully automatic loading systems from any cutoff operation available, please inquire.

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