FR1700

PCE *PC ENGINEERING* LLC

AUTOMATIC FILLET ROLLER MACHINE

We deliver products that exceed our customer's expectations. Our systems offer state-of-the-art solutions to the Aerospace and Commercial fastener industries. We continue to innovate with cutting edge designs that our customers rely on.

PCE's precision Automatic Fillet Roller Machines provide world-class technology to our customers. Our Automatic FR1700 offers an innovative Unibody design that is simple to operate, fast and reliable featuring:

- Automatic or manual models

- 360 degree sheet metal guarding with easy access doors

- Patent pending Unibody design reduces noise and vibration

- Improved safety features with programmable safety controller

- LED IP69K internal work lights

- Precision hydraulic controlled spindle pressure system

- Good parts / bad parts sorter system

- Precision spindle position system

- Allen Bradley PLC/Control, Rockwell Automation

- 10" PanelView ™ plus7 Performance HMI

- High performance processor, CompactLogix 5370

- Data collection screen

- OEE programmable calculation system capable

- Certified Load cell

- Automatic out of specification sort gate system

- Coolant system

- 18" diameter vibratory feeder bowl system (automatic only)

CAPACITY

Diameter:
.150" to .500" (special tooling required for smaller diameters)

Length:
.625" to 2.75"

Pressure Range:
75 to 1,700 lbs. of pressure force (200 to 2,500 optional)

RPM Range:
150 to 1,500

Cycle Time:
1.6 sec. load/unload plus dwell time

Manual or larger machines available on request.

AUTOMATIC FILLET ROLLER MACHINE FR1700

SPECIFICATIONS

Hardware

Model: Automatic Fillet Roller Machine **FR1700**

Facilities

Power: 480V 60Hz 3 ph 20 AMP

Footprint: 48" x 64" x 88" (1219mm x 1626mm x 2235mm)

Weight: 2900 lbs (1315 kg)

Feeder: Vibratory feeder bowl 18" (457mm) diameter
                                    (auto only)

Software

Display: 10" (254mm) Allen Bradley
                                    PanelView ™ plus 7 Performance graphic

Processors: High-performance CompactLogix 5370

Programming Skill Level: Technician or operator

Operating System: Rockwell Automation

Connection: Ethernet

Safety: Guardmaster Programmable Safety Controller

Automatic Fillet Roller interior

Manual or larger machines available on request.

Options

Dual Auto Fillet Roller

Hand Feed with light curtain

*10" PanelView ™ plus7
Performance HMI*

Automatic Fillet Rollers In-line

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