



FPS-1r

REMANUFACTURED TUBE PACKER UPGRADE

DESCRIPTION

The FPS-1r is a complete overhaul for your existing tube packer which overcomes obsolescence to offer a future proof platform for all generations of Cerulean FPS-1 Tube Packing Systems, enabling them to handle complex infeed systems and accommodate the more complicated safety circuitry needed when working in synchronisation with modern upstream and downstream integrated production line equipment.

Your existing FPS-1 tube packer will be stripped back to the frame and repainted. Brand new electronics, electrics, pneumatics, bearings, belts and drive units will be installed to make the FPS-1r a remanufactured tube packer.

Using a combination of the latest HMI & PLC to control, the Servo Drives, Motors & Pneumatics over an EtherCat Network, the system will offer smoother and more accurate control, which will allow the system to be tuned to maximise production speeds for each tube size.

Industry 4.0 ready, the FPS-1r is poised to take advantage of advance diagnostics, and monitoring of both the FPS-1r Tube Packer, and production line efficiencies via the future addition of the "Coesia Digital Toolkit" (available at extra cost).

Furthermore, the Powerful HMI & PLC have extra processing capacity to make the system 'future-proof'.

REPLACED

- Servo and Motion Control
- HMI
- Pneumatics
- Paint
- Guards
- Gearboxes
- Carton belts
- Bearings
- Sensors
- All wear parts replaced and machine returned to as new condition

BENEFITS

- Servo driven - smooth and precise
- Powerful Omron NJ series PLC
- Fit & forget Festo pneumatics
- Industry 4.0 ready

TECHNICAL SPECIFICATIONS

Electrical: (Voltage / Frequency)	100 V - 230 V, single-phase @ 50/60 Hz / 25 amp 380 V - 460 V, 3-phase, @ 50/60 Hz / 7 amp
Pneumatics:	5.2 Bar @ 1.36 l/sec
Operating Conditions: (Temp / Humidity)	5 to 40°C @ 20 - 90% RH non-condensing
Dimensions (W x H x D) / Weight:	1200 mm x 1800 mm x 2100 mm / 850 kg

PRODUCT SPECIFICATIONS

Packing Speed:	Up to 300 tubes per minute (diameter of tube dependable)
Tube Dimensions:	Diameter: 10 to 60 mm Length: 50 to 300 mm (total length)
Tube Types:	Aluminium, laminate, plastic flexible or rigid
Carton Dimensions:	Height: 200 to 650 mm Width: 200 to 650 mm Depth: 60 to 300 mm
Carton Entry:	Left, right-handed or from rear semi-automatic loading
Carton Exit:	Left or right-handed - optional front or rear carton exit

OPTIONS

- Remedial works to the donor machine such as missing, damaged or worn parts are not replaced by the FPS-1 kit but can be rectified by Cerulean at an extra cost
- Coesia digital tool kit - bespoke system to meet customer specific needs

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TIC600 - Tube infeed conveyor



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