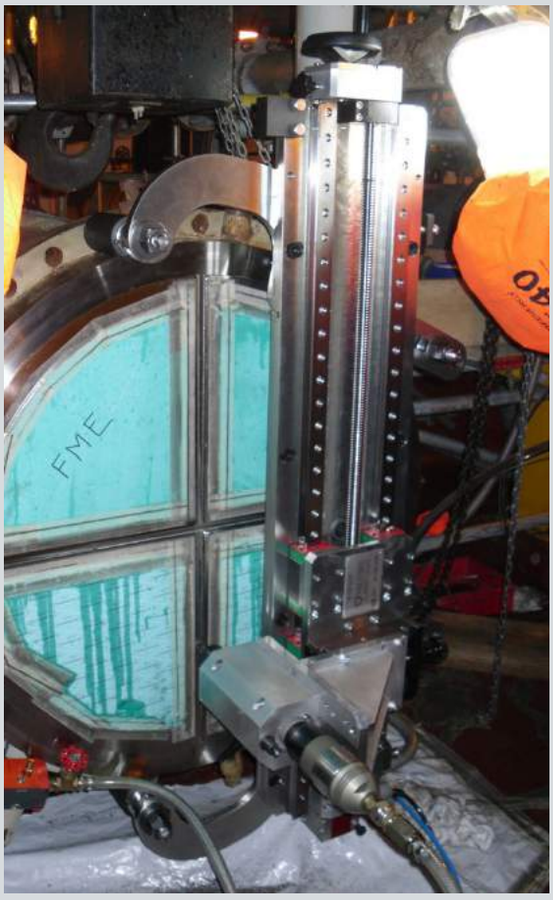
Milling Unit - BDF 1100

BDF 1100

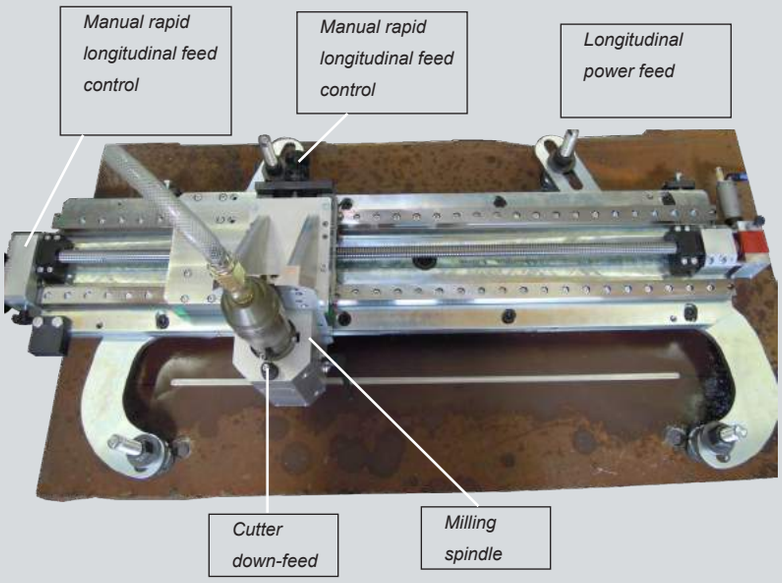


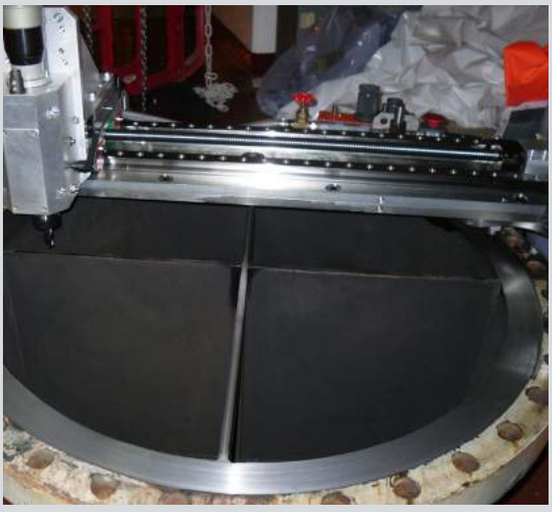
Description :

The SERCO milling unit is designed for carrying out numerous milling operations (surfacing, slot-milling, beveling, drilling, tapping, cutting with a milling saw, etc. On flanges or sheeting, on site or in the workshop.

It can be used flat or on a vertical axis as required. Its clamping and adjustable foot system provides it with a machining capacity of up to 1025 mm (40.35”).

Its ease of use, rigidity, flexibility of adjustment and high machining capacity make it a highly versatile tool.





Technical features:

Pneumatically driven longitudinal and spindle feeds: pressure 6 bar / flow 2160 l per min

Cross-feed and down-feed: manual

Power-driven longitudinal feed (P=120 W): movement 1025 mm, reversible and declutchable by pre-loaded ball-screw and nut

Manual rapid longitudinal feed: Gearbox with handle and multiplier gear (ratio 3)

Longitudinal guiding: Pre-loaded roller bearings mounted on rails

Cross-traverse carriage: movement 50 mm (1.968”), dovetail guiding, precision vernier scale and lock screw

Cutter down-feed: movement 100 mm (3.934”), with vernier scale and locking handle

Milling spindle: Mounted on a support bracket (3 possible positions) power 1500 W, movement 100 mm (3.934”), with SA 30 taper adapter, cutter spindle with ER collet (up to diameter of 20 mm (.787”)).

FRL pneumatic unit with emergency stop and drive control.

Weight and dimensions:

- Outside machine dimensions: 1510 x 700 x 490 mm (59 x 28 x 19)
- Weight of machine: 193 daN

Possible options:

Inclusion of a right-angle attachment on the spindle for sawing and saw-milling

Power-driven radial movement is possible

Milling units with different lengths of movement can be designed.

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Pictures and sketches are non-contractual