

MF SERIES

TRANSPORTABLE TUBE CUTTING & BEVELING MACHINES Ø 25.4mm - 406 mm Ø 1" - 16"

OD MOUNTED MACHINING



| MF Series | Machining Capacity | |
|-----------|--------------------|------------|
| MF170 | 25.4 - 168 mm | 1" - 6.6" |
| MF420 | 168 - 406 mm | 6.6" - 16" |

INDUSTRIES:

| Tube Manufacturers | Nuclear | Oil & Gas |
|-----------------------|---------|-----------|
| | | |

Automatic feed with clutch

Machine guard ensures safe use

Ease of use due to the control panel

Powerful electric drive (1500 W)

Hermetic tool holders protect against chips and preserves the gear and guiding systems of the tool bits to avoid risks of blockage and damage

Tool holder mounted on rails for fast and precise set-up

Fast and perfect concentric clamping with a ratchet

Very rugged design for fast and precise machining of tubes with large wall thicknesses

MF170

MF170

Ø 25.4 - 168 mm (1" - 6.6")

≈ 180 kg
≈ 396.8 lbs

DESCRIPTION:

MF-Series machines are designed to cut and bevel tubes from 25.4 mm to 406 mm (1" to 16") OD in one operation.

Perfect for use in all highly demanding industries such as, Energy Generation, Oil & Gas, Shipbuilding, Tube Processing, Aerospace, etc.



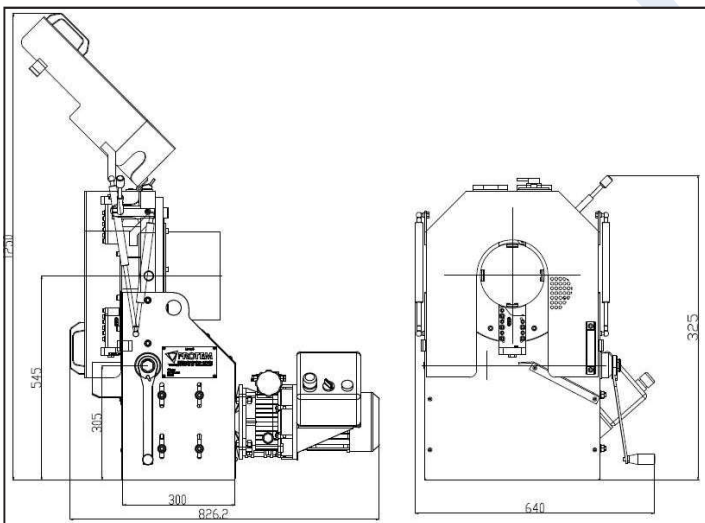
| ORDER NO. | DESCRIPTION |
|-------------|--|
| MF-170-1000 | MF170 with electrical drive 1500 W, weight ~ 180 kg/ 396.8 lbs |

| Beveling | Cutting | Facing | Counterboring | Surfacing |
|----------|---------|--------|---------------|-----------|
| ✓ | ✓ | ✓ | ✗ | ✗ |

MF170 ON-SITE :



DIMENSIONS:



TECHNICAL FEATURES:

| Machine | MF170 |
|------------------|---|
| Clamping range | 25.4 to 168 mm (1" - 6.6") |
| Clamping | Concentric clamping with ratchet |
| Clamping Process | Manual Automatic |
| Feed stroke | 60 mm |
| Gear drive | 10 - 80 rpm |
| Machining Time | Few minutes |
| Motor Power | Electric 1500W - 380 V Three phase motor |
| Machining | Carbide insert |
| Weight | 180 kg (397 lbs) |

OPTIONS:

| ORDER NO. | DESCRIPTION |
|-------------|-------------------------------------|
| MF170-K01 | Wooden crate |
| MF170-2200 | Kit for diameters from 25,4 mm (1") |
| MF170-2100 | Pneumatic clamping |
| MF170-2400 | Lifting table, manual |
| MF-170-2000 | Electric Lubrication System |
| MF170-ODK | Visual speed control |

MF420

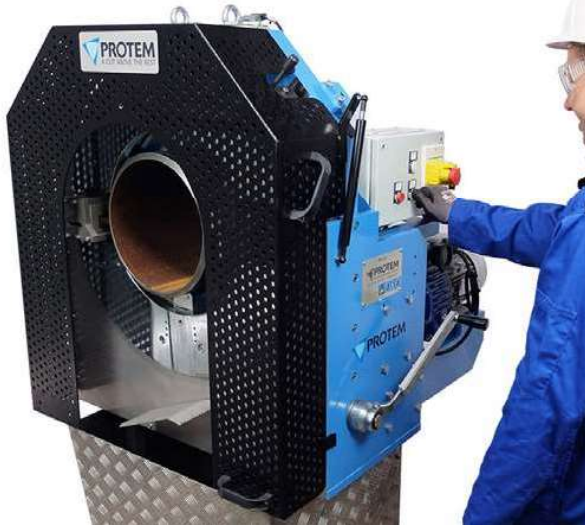
MF420

Ø 168 - 406 mm (6.6" - 16")

≈ 500 kg
≈ 1102.3 lbs

DESCRIPTION:

The PROTEM MF machines can achieve perfect weld preparations on all materials: mild steel, stainless steel, exotic alloys such as incoloy, hastelloy, duplex, super duplex, copper, etc.



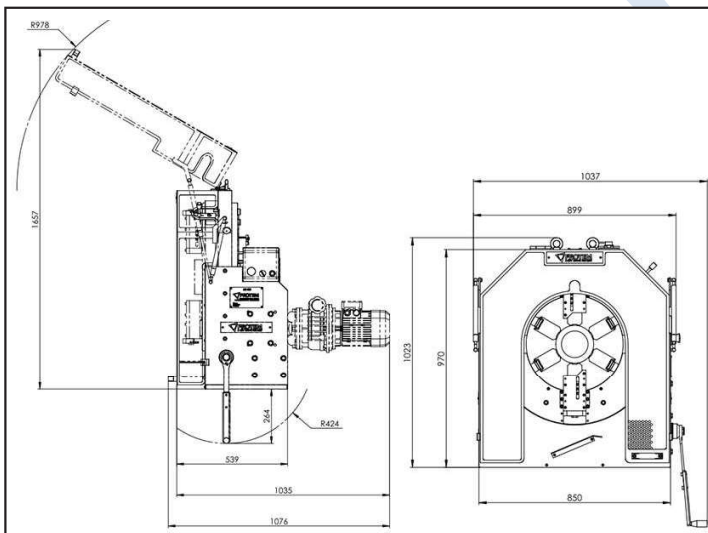
| ORDER NO. | DESCRIPTION |
|------------|---|
| MF420-1000 | MF420 with electrical drive 1500 W, weight ~ 500 kg/ 1102,3 lbs |

| Beveling | Cutting | Facing | Counterboring | Surfacing |
|----------|---------|--------|---------------|-----------|
| ✓ | ✓ | ✓ | ✗ | ✗ |

MF420 ON-SITE



DIMENSIONS:



TECHNICAL FEATURES:

| Machine | MF420 |
|------------------|---|
| Clamping range | 168 to 406 mm (6.6" - 16") |
| Clamping | Concentric clamping with ratchet |
| Clamping Process | Manual Automatic |
| Feed stroke | 80 mm |
| Gear drive | 10 - 80 rpm |
| Machining Time | Few minutes |
| Motor Power | Electric 1500W - 380 V Three phase motor |
| Machining | Carbide insert HSS-toolbits |
| Weight | 500 kg (1102 lbs) |

OPTIONS:

| ORDER NO. | DESCRIPTION |
|---------------|---|
| MF420-K01 | Crate MF420 |
| MF-420-1133-2 | 6 additional jaws for diameters from 140 mm to 255 mm |
| MF420-1133-1 | 6 additional jaws for diameters from 230 mm to 335 mm |
| MF420-MHT | Lifting table, manual |
| MF-420-3000 | Lifting table, electric |
| MF420-EKSS | Electric Lubrication System |
| MF420-ODK | Visual speed control |

OD MOUNTED MACHINING