

XTORC

- THE RIGHT TOOLS -



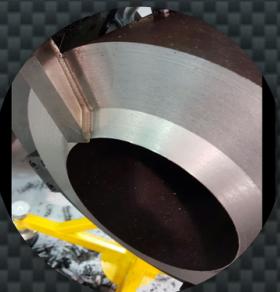
IN-SITU MACHINES

PIPE CUTTING & BEVELLING MACHINES

The Split Frame Machine is ideal for all types of pipe cutting, beveling and end preparation operations. The split frame design allows the machine to split in half at the frame and mount around the OD of the in-line pipe or fittings for strong, stable clamping.

The equipment performs precision in-line cut or simultaneous cut/bevel, single cut/bevel, counterbore and flange facing operations, as well as weld end preparation on open ended pipe, ranging from 2 to 56 inches. O.D. (DN20-1400), on most wall thickness and material.

Above 56 inches can be supplied on request.



XTCB Series Machine Range:

| Model | Machine ID | | Machine OD | | Mounting Range | | Ring Weight (Kg) | |
|---------|------------|-------|------------|-------|----------------|-------|------------------|------------------|
| | mm | Inch | mm | Inch | mm | Inch | W/O Accessories | With Accessories |
| XTCB-6 | 184 | 7.24 | 304 | 11.97 | 52-152 | 2-6 | 10 | 27.4 |
| XTCB-8 | 238 | 9.37 | 358 | 14.09 | 51-203 | 2-8 | 12.26 | 30.2 |
| XTCB-10 | 292 | 11.50 | 412 | 16.22 | 102-254 | 4-10 | 14.23 | 33.1 |
| XTCB-12 | 343 | 13.50 | 463 | 18.23 | 152.4-305 | 6-12 | 17 | 36.5 |
| XTCB-14 | 373 | 14.69 | 493 | 19.41 | 203-356 | 8-14 | 18.28 | 38 |
| XTCB-16 | 424 | 16.69 | 544 | 21.42 | 254-406 | 10-16 | 19.77 | 41 |
| XTCB-18 | 480 | 18.90 | 600 | 23.62 | 305-457 | 12-18 | 22.94 | 44.5 |
| XTCB-20 | 528 | 20.79 | 648 | 25.51 | 356-508 | 14-20 | 24.81 | 46.4 |
| XTCB-22 | 576 | 22.68 | 696 | 27.40 | 406-559 | 16-22 | 26.59 | 52.6 |
| XTCB-24 | 636 | 25.04 | 756 | 29.76 | 457-610 | 18-24 | 29.27 | 55.3 |
| XTCB-26 | 687 | 27.05 | 861 | 33.90 | 508-660 | 20-26 | 72 | 117 |
| XTCB-28 | 739 | 29.09 | 913 | 35.94 | 559-711 | 22-28 | 82.5 | 120.3 |
| XTCB-30 | 799 | 31.46 | 973 | 38.31 | 610-762 | 24-30 | 83 | 126.3 |
| XTCB-34 | 926 | 36.46 | 1100 | 43.31 | 711-864 | 28-34 | 98.3 | 142.2 |
| XTCB-36 | 956 | 37.64 | 1130 | 44.49 | 762-914 | 30-36 | 95.6 | 143.7 |
| XTCB-42 | 1106 | 43.54 | 1280 | 50.39 | 914-1067 | 36-42 | 109.6 | 164.2 |
| XTCB-48 | 1256 | 49.75 | 1430 | 56.30 | 1067-1219 | 42-48 | 126 | 178.6 |
| XTCB-56 | 1475 | 58.07 | 1649 | 64.92 | 1219-1422 | 48-56 | 147.2 | 217.6 |

DRIVE SPECIFICATIONS:

Drive Options:

Pneumatic, Hydraulic & Electric

Air Requirement:

90 CFM @ 0.6/0.7Mpa

Hydraulic Requirement:

2-60L per min. @12.5Mpa

Electric Requirement:

220-240V 1PH 50/60HZ

Feed Rate :

Fixed@0.08mm per revolution



AIR OPERATED MOTOR

Torque : 117 Nm
Power : 3.77 HP Tested @0.6Mpa
Compressed air

Advantages:

Explosion Proof
Stable Performance
Simple structure makes it easy to maintain.



ELECTRIC OPERATED MOTOR

230V-50/60HZ2400W
11,0A N 6600/Min(rpm)



HYDRAULICALLY OPERATED MOTOR

Power Supply : 380-440V3PH 50/60HZ l2-60Litre per minute@12.5Mpa

Advantages: Powerful drive High efficiency
Stable Performance Low noise Adjustable
speedIdeal for heavy wall thickness & large
size pipe



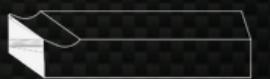
SERVO MOTOR

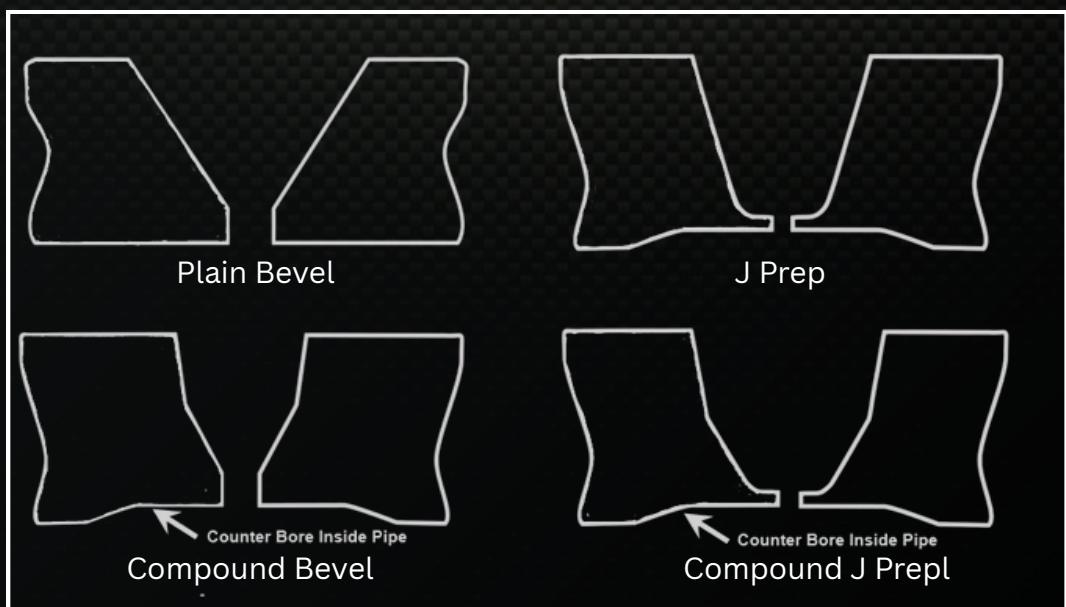
Servo Motor Specifications:
220V/380V, 50/60 HZ, 2.3-2.6 KW

Advantages: Electronic Display
High efficiency Stepless Speed
Regulation



TOOLING CHART

| CUTTING TOOLS | | | |
|--|--|--|---|
| DESCRIPTION | PART NUMBER | APPLICATION | SKETCH |
| Cutting tool Material: AISI M42 Width:25mm Thk:5mm | XCT-5100 | Standard Cutting, for most materials up to 30mm. |  |
| Cutting tool Material: AISI M42 Width: 5mm Thk: 5mm Length:200mm | XTC-5200 | Longer cutting tool, both ends have blade, for most materials up to 60mm, cutting job only with 2c-6200. |  |
| Cutting tool Material: AISI M42 Width: 25mm Thk: 6mm Length:200mm | XTC-6200 | Longer cutting tool, both ends have blade, for most materials up to 60mm, cutting job only with 2c-8200. |  |
| Cutting tool Material: AISI M42 Width: 25mm Thk:8mm Length:200mm | XTC-8200 | Longer cutting tool, both ends have blade, for most materials up to 60mm, cutting job only with 2c-6200. |  |
| BEVELING TOOLS | | | |
| DESCRIPTION | PART NUMBER | APPLICATION | SKETCH |
| Beveling tool Material: AISI M42 Width: 12mm Thk:20mm Length:105mm | XBT1220-300 XBT1220-32.5 XBT1220-37.5 XBT1220-A | Right Hand Standard beveling tool for most materials Up to 30mm. |  |



TOOLING CHART

| DESCRIPTION | PART NUMBER | APPLICATION | SKETCH |
|--|--|---|--------|
| Beveling tool Material: AISI M42 Width:12mm Thk:20mm Length: 105mm | XBT-LH1220-300 XBT-LH1220-37.5 XBT1220-a | Left Hand Standard beveling tool for most materials, up to 30mm. | |
| Compound Beveling Material: AISI M42 Width:12mm Thk:20mm Length: 150mm | XBT-CB1220-10°x30° | Right hand 10 x 30, For most material up to 30mm. | |
| | XBT-CB1220-10°x37.5° | Right hand 10 x 37.5 as per ASME B[16].25 For most material, up to 30mm. | |
| Compound Beveling Material: AISI M42 Width:25mm Thk:20mm Length: 150mm | XBT-CB2525-10°x30° | Right hand 10 x 30 , For most Material up to 60mm Fit the heavy wall tool slide. | |
| | XBT-CB2525-10°x37.5° | Right hand 10 x 37.5 as per ASME B[16].25 For most material up to 60mm, t the heavy wall tool slide. | |
| Beveling tool Material: AISI M42 Width:25mm Thk:25mm Length: 200mm | XBT-CB2525-10 | Longer Beveling tool, both ends have blade, for most materials up to 60mm, t the heavy wall tool slide. | |
| | XBT-CB2525-30 | | |
| | XBT-CB2525-37.5 | | |
| COUNTER BORING TOOLS | | | |
| DESCRIPTION | PART NUMBER | APPLICATION | SKETCH |
| Counter boring tool Material: AISI M42 | XCBT | For pipe counter boring used on counter boring tool slide. | |

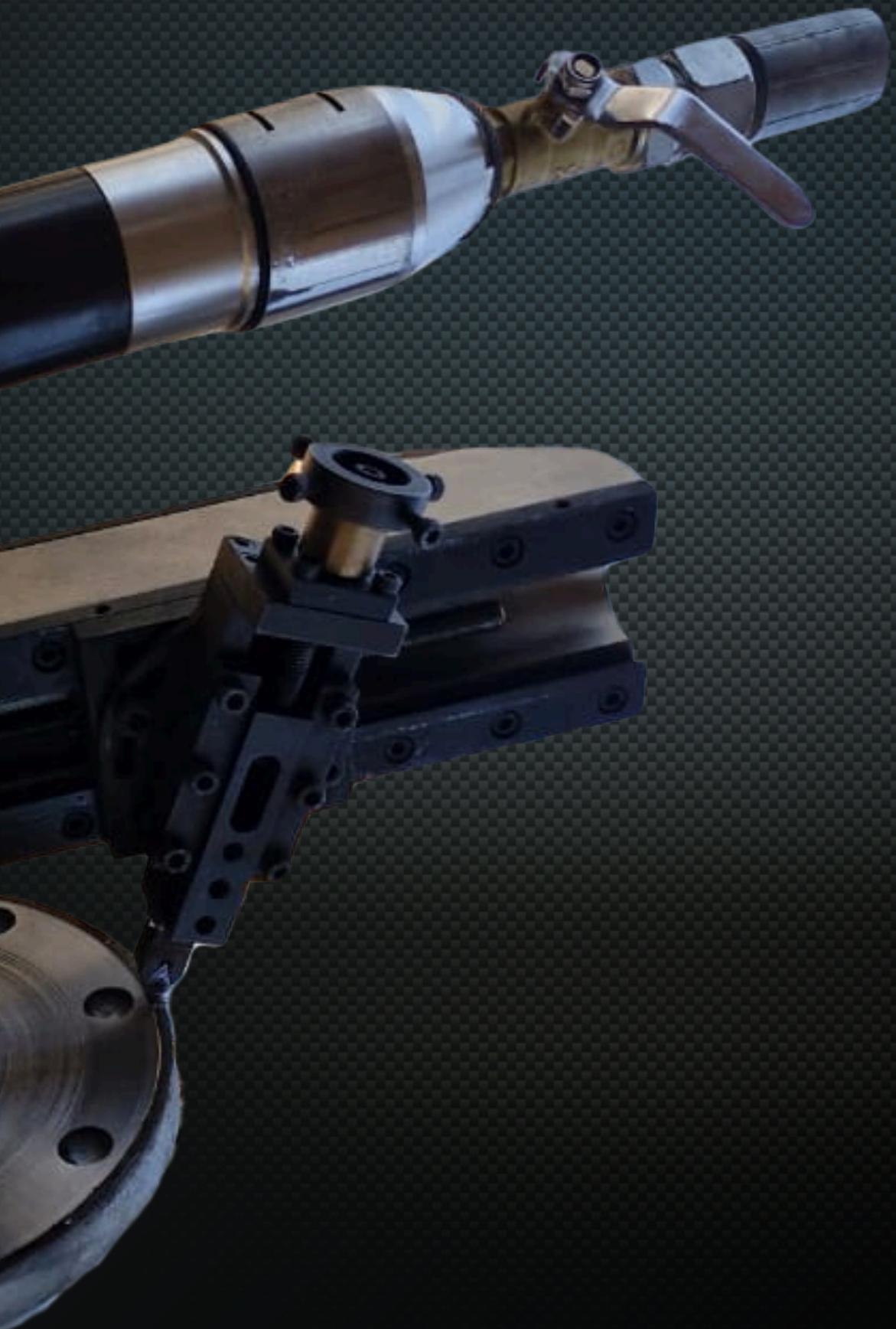
*Consult with us for special application

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FLANGE FACING MACHINES



XTFF24 FLANGE FACER

XTFF24 Flange Facer is a versatile flange facing machine that allows you to face, bevel, and turn pipe, valve, and pump flanges with easy, and can give machine shop accuracy. The three-piece mounting system makes setup and alignment of this machine quick and easy. It allows one operator to easily set up the machine and begin machining in just a few minutes.

SUPERIOR MACHINING

It can face the flat face, Continuous groove facing feeds, RTJ groove etc.

LIGHTWEIGHT & PRECISE BODY

Modular design, high-intensity of material with processing technology, which makes sure the accuracy of processing.

BASE ASSEMBLY

Equipped three pieces high strength alloy structural steel mounting bases with steel threaded inserts, and adjustable feet enable the machine to be installed perfectly level and central in any flange from 50mm (2") to 610mm (24") in diameter.

QUICK SET UP

Flange facing machine adopt independent design of quick model parts, therefor, it's fast to mount it and machining. An experienced operator will finish the mounting processing within an hour according the rightful operating process.

DRIVE POWER UNIT

The machine is driven by a 0.8KW(1.2HP) Pneumatic motor or a 0.75KW Servo motor, It can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without bolt holes or 0.5mm (0.02") with holes and can achieve a flatness better than 0.02mm at 558mm (22") diameter.



TECHNICAL DETAILS

| | |
|-----------------------------------|--------------------------------|
| Facing Diameter Range | 50-610mm (2-24") |
| I.D Clamp Range | 50-610mm (2-24") |
| Min Swing Diameter | 515mm |
| Tool Post Stroke | 50 (2") |
| Tool Post Swivel Angle | + / - 30° |
| R.P.M | 0-42 |
| Drive Power Unit- Pneumatic | 1 . 2Hp (0 . 8 k w) |
| Air Consumption / Supply Required | 1.2m³/min |
| Drive Power Unit-Electric | 1HP (0.75kw) |
| Electric Requirements | Single phase,110V/230V,50/60HZ |
| Machine Weight | 45Kg |

FEED RATES

| | |
|---------------------------------------|-------------|
| Facing Feed (1.75mm Pitch Feed Screw) | 0.10/0.41mm |
| Facing Feed (3mm Pitch Feed Screw) | 0.18/0.71mm |

XTFF40 FLANGE FACER

XTFF40 Flange Facer is a versatile flange facing machine that allows you to face, bevel, and turn pipe, valve, and pump flanges with easy, and can give machine shop accuracy. The two-piece mounting system makes setup and alignment of this machine quick and easy. It allows one operator to easily set up the machine and begin machining in just a few minutes

SUPERIOR MACHINING

It can cut "O" Ring grooves, RTJ and other V grooves, standard and compact flange facings, weld preparations, etc.



LIGHTWEIGHT & PRECISE BODY

Modular structural design, high-intensity of material and processing technology, which makes sure the accuracy of processing

BASE ASSEMBLY

Equipped two pieces high strength mounting base unit with steel threaded inserts, and adjustable feet enable the machine to be installed perfectly level and central in any flange from 150mm (6") to 860mm (34") in diameter

QUICK SET UP

Flange facing machine adopt independent design of quick model parts, therefor, it's fast to mount it and machining. A experienced operator will finish the mounting processing within an hour according the rightful operating process.

DRIVE POWER UNIT

The machine is driven by a 1.7KW (2.2HP) Pneumatic motor, It can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without bolt holes or 0.2mm with holes and can achieve a flatness better than 0.02mm at 762mm (30") diameter

TECHNICAL DETAILS

| | |
|-----------------------------------|--------------------|
| Facing Diameter Range | 150-1000m (6-40") |
| I.D Clamp Range | 145- 860mm (6-34") |
| Min Swing Diameter | 79 0 mm |
| Tool Post Stroke | 100(4") |
| Tool Post Swivel Angle | + / - 30° |
| R.P.M | 0-35 |
| Drive Power Unit- Pneumatic | 2 .2Hp(1 .7k w) |
| Air Consumption / Supply Required | 1.93m³/min |
| Machine Weight (less base unit) | 128Kg |
| Shipping Weight | 145Kg |

FEED RATE

| IN | OUT | UP/DOWN |
|------|--------|---------|
| Gear | mm/rev | Gear |
| 1 | 0.128 | 1 |
| 2 | 0.251 | 2 |
| 3 | 0.591 | 3 |
| | | |
| | | |



XTFF60 FLANGE FACER

XTFF60 Flange facer is designed with a reinforced center spindle and a rotating cutter arm for achieving stronger stability during cutting.

SUPERIOR MACHINING

It can achieve working without mounting base unit, typical applications for on-site machining of heat exchanger, blind flange, and so on, This provides users with the flexibility to make more cuts including cut "O" Ring grooves, RTJ and other V grooves, standard and compact flange facings, weld preparations, and other surfaces.

PRECISE BODY

Precision machined dovetail ways and adjustable Turret coated gibes provide smooth accurate travel, and can give machine shop accuracy.

BASE ASSEMBLY

Equipped two pieces high strength mounting base unit with steel threaded inserts, and adjustable feet enable the machine to be installed perfectly level and central in any flange from 500mm to 1650mm in diameter.

DRIVE POWER UNIT

The machine is driven by a 3.5HP pneumatic motor, It can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without bolt holes or 0.5mm (0.02") with holes.

TECHNICAL DETAILS

| | |
|-----------------------------------|-----------------------|
| Facing Diameter Range | 500-1650mm (20-65") |
| I.D Clamp Range | 500 -1500 mm(20 -59") |
| Min Swing Diameter | 1750mm |
| Tool Post Stroke | 80(2") |
| Tool Post Swivel Angle | + / - 30° |
| R.P.M | 0-35 3. |
| Drive Power Unit- Pneumatic | 5Hp (2.7 kW) |
| Air Consumption / Supply Required | 2.69m³/min |
| Machine Weight (less base unit) | 550Kg |
| Shipping Weight | 680Kg |

FEED RATE

| IN | | OUT | | UP/DOWN | |
|------|--------|------|--------|---------|--------|
| Gear | mm/rev | Gear | mm/rev | Gear | mm/rev |
| 1 | 0.128 | 1 | 0.151 | 1 | 0.03 |
| 2 | 0.251 | 2 | 0.292 | 2 | 0.06 |
| 3 | 0.591 | 3 | 0.691 | 3 | 0.15 |



XTFF80 FLANGE FACER

XTFF80 Flange facer is designed with light and high precision consideration of different countries, it Adopted ascendant Processing technology to make sure the best accurateness and high efficiency. It's widely used for petroleum, Chemical industry, electric plant, ship rebuilding.

SUPERIOR MACHINING

It can achieve working without mounting base unit, typical applications for on-site machining of heat exchanger, blind flange, and so on, this provides users with the flexibility to make more cuts including chamfers, O-ring grooves, RTJ grooves, lens rings, beveling, and other surfaces.

LIGHTWEIGHT & PRECISE BODY

Modular structural design, high-intensity of material with Processing technology, which makes sure the accuracy of processing.

QUICK SET UP

Flange facing machine adopt independent design of quick model parts, therefore, it's fast to mount it and machining. A experienced operator will finish the mounting processing within an hour according the rightful operating process.

DRIVE UNIT

The machine is driven by a 4HP pneumatic motor, it can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without bolt holes or 0.5mm (0.02") with holes

TECHNICAL DETAILS

| | |
|-----------------------------------|---------------------|
| Facing Diameter Range | 762-2032mm (30-80") |
| I.D Clamp Range | 762-1804mm(30-71") |
| Min Swing Diameter | 1610mm |
| Tool Post Stroke | 50(2") |
| Tool Post Swivel Angle | + / - 30° |
| R.P.M | 0-42 |
| Drive Power Unit- Pneumatic | 4Hp(3kw) |
| Air Consumption / Supply Required | 2.69m³/min |
| Machine Weight (less base unit) | 350Kg |
| Shipping Weight | 720Kg |

FEED RATE

| IN | | OUT | | UP/DOWN | |
|------|--------|------|--------|---------|--------|
| Gear | mm/rev | Gear | mm/rev | Gear | mm/rev |
| 1 | 0.128 | 1 | 0.151 | 1 | 0.03 |
| 2 | 0.251 | 2 | 0.292 | 2 | 0.06 |
| 3 | 0.591 | 3 | 0.691 | 3 | 0.15 |

XTFF120 FLANGE FACER

XTORC Flange Facing machine is designed for on-site machining with lightweight capabilities and high accuracy consideration, it adopts ascendant Processing technology to make sure the best accurateness and high efficiency. It's widely used for petroleum, Chemical industry, electric plant, ship building, wind power, energy, defense etc.

Large, industrial grade, high precision rotary bearings provide stable, smooth motion output throughout the entire machine facing range, it can easily handle challenging flange repair applications to meet or restore the demanding requirements of the manufacturer.



Flange facing machine adopt independent design of quick model parts, therefore, it's fast to mount it and machining. An experienced operator will finish the mounting processing within an hour according the rightful operating process. Pneumatic & hydraulic drive options available, It can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without bolt holes or 0.5mm (0.02") with holes.

Tube sheet mounting kit adds a mounted way for heat exchanger repair. Milling head and distributor hoses for rotary milling Back facing kit available for heat exchanger flange back faces in one setup.

TECHNICAL DETAILS

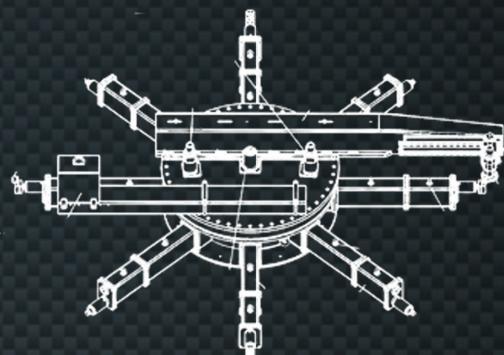
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|-----------------------------------|-----------------------|
| Facing Diameter Range | 1150-3050mm (45-120") |
| I.D Clamp Range | 1060-2800mm (42-110") |
| Min Swing Diameter | 2133mm (84") |
| Tool Post Stroke | 102 (4") |
| Radial Slide Stroke | 711 (28") |
| Tool Post Swivel Angle | + / - 30° |
| R.P.M | 0-9 |
| Drive Power Unit | 4Hp(3kw) |
| Pneumatic (Standard) | 15HP (11kw) |
| Hydraulic (option) | |
| Air Consumption / Supply Required | 2.69m³/min |
| Hydraulic requirements | 30L/min |
| Machine Weight | 1650Kg |
| Shipping Weight | 2450Kg |

FEED RATE

| IN | | OUT | | UP/DOWN | |
|------|--------|------|--------|---------|--------|
| Gear | mm/rev | Gear | mm/rev | | mm/rev |
| 1 | 0.128 | 1 | 0.151 | | 0.03 |
| 2 | 0.251 | 2 | 0.292 | | 0.06 |
| 3 | 0.591 | 3 | 0.691 | | 0.15 |

XTFF178 FLANGE FACER

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XTFF178 Circular Mills is designed for machining of large flanges, wind turbine rotor blades and wind turbine tower flanges. Crane pedestals and heavy construction and mining.

PRECISE BEARING & STEADY MAIN BODY

Provide the most powerful guarantee for machining using precise bearing & steady main body, equipped with adjustment leg and Jacking leg, various sizes of feet, Easy and fast to install on site.

SMOOTH CUTTING

All feed of Milling spindle head adopt precision machined dovetail ways and adjustable Turcite- B coated gibes provide smooth accurate travel.

ROTARY UNION

Solve the problem of oil hosing winding using rotary joints when the machine is rotating.

DRIVE UNIT

The machine is driven by (2) 3.5HP hydraulic motor to achieve effectively eliminates the gap of the gears and smooth cutting.

Hydraulic power provides the greatest possibility for cutting. It can achieve cuts up to a maximum depth of 2mm on flanges.

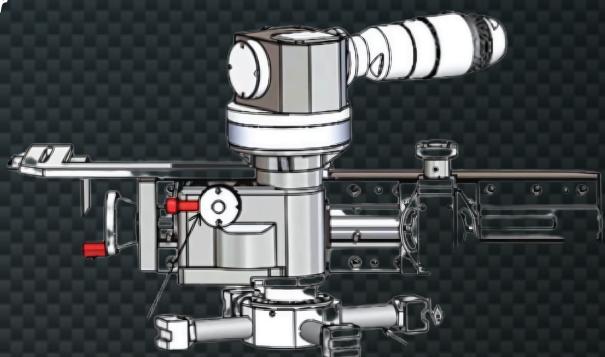
TECHNICAL DETAILS

| | |
|-------------------------------------|---------------------------|
| Facing Diameter Range | 2000-4500mm (78-178") 19 |
| I.D Clamp Range | 0 0 - 430 0 mm(75 -169") |
| Rotation RPM | 0-3 |
| Rotation Drive Unit-Hydraulic | (2)-3.5Hp(2.6kw) |
| Spindle Head Slide Stroke Spindle | 10 0 0 mm(39") |
| Head Stroke | 250mm(10") |
| Spindle Head Taper | NT50 |
| Spindle Drive Power Unit- Hydraulic | 25H _p (18.5kw) |
| Machine Weight | 4450Kg |
| Shipping Weight | 6220Kg |

XTFM12M MINI FLANGE FACER

Our TTFM12M Mini flange facer, easy working flange facing repair, easy to operate.

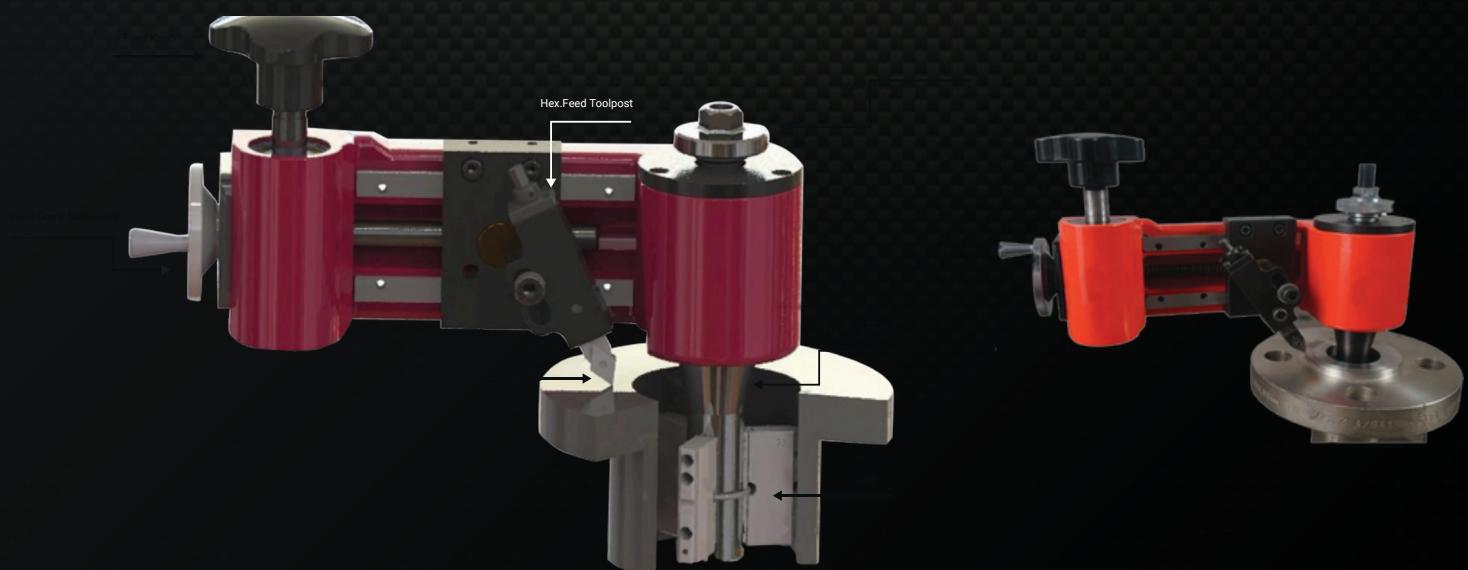
Allows any technician to recondition RF/FF and other gasket settings in situ, the internal diameter that can be clamped is 25.4mm to 254mm. Due to clamping and machining range, the Mini facer is a very efficient tool for service or repair workshop but also for piping construction companies and or vessel manufacturers



TECHNICAL DETAILS

| | |
|-----------------------|--------|
| Min facing diameter | 25.4mm |
| Max facing diameter | 350mm |
| Tool post travel | 70mm |
| ULTRA-PORTABLE | |
| Machine weight | 7 KG |
| Packing total | 11 KG |

XFM12M FLANGE FACING





POWER. PRECISION. PERFORMANCE.

At XTORC, we don't just provide tools—we engineer solutions that redefine strength, accuracy, and efficiency. Whether it's bolting, machining, or industrial maintenance, we ensure that every job is done faster, safer, and with unmatched precision.

"TOOLS THAT DON'T JUST WORK—THEY CONQUER."



Controlled Bolting



Pipe Cold Cutting



Flange Facing / Serration



Calibration



Retubing



Water Jet Cutting

PERFECT PRODUCT

UNMATCHED QUALITY

UNBEATABLE PRICES



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