

Precision Heavy Duty Large Dia. Flange Facing

Model 442F Flange Facing Machine

FLANGEMASTER™

The Tri Tool Model 442F has been designed to address the precision demands for large flange facing, mounting up to 72" and machining to 73" dia. w/ optional extension kit.

NEW!

Precision ground steel cutting bar for maximum accuracy

3 Way Autofeed System: Integrated lead screw feeds the bar, the carriage, or the compound slide

Tapered bushings adjust to zero clearance for maximum rigidity

Fully adjustable compound slide can be set for boring, turning, and facing operations and precision depth of cut settings

Forward, neutral, and reverse control with 8 feed rates

Unique mounting system provides precision centering and alignment.

Counter balance for consistent cutting speed uphill or downhill

Balanced lifting eye locations for ease in handling

Backlash Regulator: preloaded braking system provides smooth performance through interrupted cuts.

Strong, reversible pneumatic motor works with machine's worm drive for smooth operation

Quick-change dual-speed gearbox delivers optimum cutting speeds across full size range

Adjustable, easy to install, full range mounting feet



TRI TOOL INC.

Model 442F FLANGEMASTER™ - Flange Facing Machine

Specifications

Equipment Description

The rugged Model 442F FLANGEMASTER™ is designed for machining perfect sealing surfaces on flanges ranging from 14.0" (355.6mm) ID through 42.0" (1066.8mm) OD. The machining range can be extended (with an optional extension kit) to 73.0" (1854.2mm) OD to handle your largest flanges with ease.

Specifications

Cutting capacities: 14.0" (355.6mm) ID through 42.0" (1066.8mm) OD with Standard Tool Bar and Mounting Head Kit. The Extended Tool Bar and Mounting Head Extension Kit brings the cutting capacity to 73.0" (1854.2mm) OD and the mounting capacity to 72.0" (1828.8mm) ID.

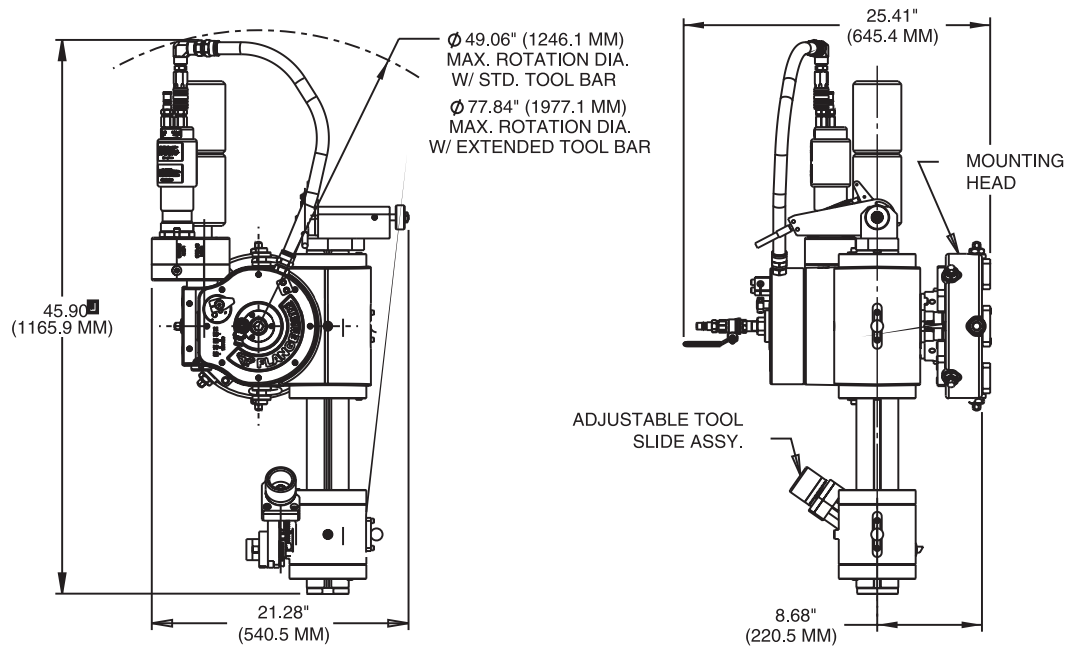
Materials: Matls. include, but not limited to: carbon steel, low alloy steel, chrome steel (20% max.), chrome/moly alloys (Rc 32 max.), austenitic stainless steels, Inconel, copper, aluminum and copper nickel alloys.

Drive options: Pneumatically driven only. Consumption 44 scfm (21lt/sec) at 90 psi (621 kPa).

Tool Holder Assembly: Infinitely adjustable angle and depth of cut compound type tool slide and totally adjustable tool post in all directions.

Mounting: Aluminum head with 8 ea. staggered steel bars and jackscrew type clamping. Fully adjustable mitering coupling with up to 5 degrees of adjustment in every direction and up to .188" (4.77mm) of offset adjustment in every direction.

Approximate. weights:	Main Drive Assembly	200 lbs. (90.7 kg)
	Standard Tool Bar Assembly	75 lbs. (34.0 kg)
	Extended Tool Bar Assembly	118 lbs. (53.5 kg)
	Tool Slide Assembly	36 lbs. (16.3 kg)
	Standard Mounting Head Assembly	60 lbs. (27.2 kg)
	Large Mounting Head Assembly	112 lbs. (50.8 kg)
	Mounting Extension Block Assembly (8 ea.)	10 lbs. (4.5 kg) /ea.
	Standard Counterweight Bar	16 lbs. (7.3 kg)
	Large Counterweight Bar	24 lbs. (10.9 kg)
	Counterweight	17 lbs. (7.7 kg)



Save time and money with dependable Tri Tool® portable machine tools!



TRI TOOL INC.

3041 Sunrise Blvd • Rancho Cordova, CA 95742
(800) 345-5015 • (916) 288-6100 • Fax (916) 288-6160
www.tritool.com • customer.service@tritool.com

Specifications subject to change without notice.