

Tapasy

TIGON

# World Class Innovative Industrial Tapping Machines



Tapping made *asy*



## Applications

- Tapping
- Re-tapping
- Reaming
- Counter sinking

**TIGON**  
with vertical Head



**TIGON**  
with Universal Head



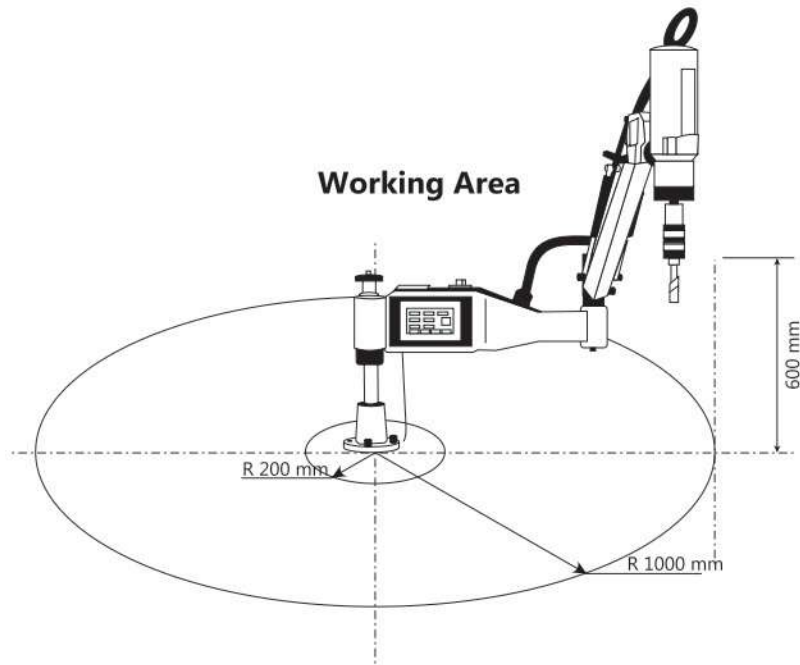
'TIGON' a unique Tapping Machine with an articulated arm, facilitated with vertical tapping head for vertical tapping and universal tapping head for horizontal as well as angular tapping. TIGON is available in six different models to suit your requirements.

Model	Tapping Capacity Min/Max	Spindle Speed Max RPM	Power Supply	Motor Wattage	Operating Radius
TIGON E-412 V/U	M 3 to M 12	400	220 V Single Phase 50 Hz AC	600 Watt.	1000 mm
TIGON E-416 V/U	M 3 to M 16	300		600 Watt.	1000 mm
TIGON E-424 V/U	M 3 to M 24	200		1200 Watt.	1000 mm
TIGON E-430 V/U	M 3 to M 30	150		1200 Watt	1000 mm
TIGON E-436 V/U	M 6 to M 36	100		1200 Watt	1000 mm
TIGON E-442 V/U	M6 to M 42	50 / 200		1200 Watt	1000 mm

Note : Larger operating radius machine are available on demand.

- ## Advantages
- Articulated Arm with Floating head for taking center of hole automatically
  - Best suitable for multiple holes on large surface
  - Stop Tap breaking, Reduce rejection cost, Reduces operating cost
  - No skilled operator required
  - Rapid positioning of head
  - Assured accurate tapping of 6H tolerance
  - High life of Taps compare to all conventional tapping process
  - Aesthetic look and best portability
  - Works on 220V, 50Hz AC power Supply with good earth
  - Very low power consumption
  - Machine driven by Servo Drive Control with intelligent torque protection system
  - It also supports mechanical torque controls by using, torque preset tap adapters
  - Operator can select any speed within given range
  - Advanced mechanical design and use of alloy casting, bearings, makes the machine more accurate and strong
  - Quick change Tap Chuck helps in holding various Tap adapters firmly and save changeover time
  - User friendly HD touch screen with following inputs:
    - Standard Metric and Inch (BSW) threads
    - Mode Selection (Auto & Manual)
    - Tap Selection & Count of Tapped Holes
    - Depth Control for blind hole tapping
    - Direction change
    - Deep Hole Tapping facility
  - On selection specific size of tap, controller automatically select safe torque
  - If the pitch is nonstandard, operator can select and enter required pitch
  - Load adjustment mechanism for effortless and accurate tapping operation
  - Strong service support from the supplier





## TIGON



Specifications are subject to change without prior notice.  
Accessories shown are not part of standard equipment.

### Optional Accessories

#### Quick Change Safety Tap Adapter

Clutch incorporated Tap Adapter ensure controlled torque while tapping and avoid tap breakage.



#### Magnetic Base

250 x 250 x 100 (LWH)  
for easy mounting of 'TapEasy' on larger plates and heavy work.



#### Table

700 x 900 x 850 (LWH)  
provided with revolving castors.

Some of our valued clients:



- Manufacturer -

### ALFATECH ENGINEERS PVT. LTD



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