



Unify thread rolling machines & dies

UM-16 CNC Type thread rolling machine

work piece diameter (mm)	ø2 - ø16
Axial pitch for ISO threads(mm)	0.4P- 2.0P (M0.2 - M0.75)
Length of thread rolling (mm)	In feed (Plunge) : 28mm
	Thru feed: no limited
Spindle speed	1 - 55 r.p.m (Servo motor)
Thread rolling dies	Diameter: ø100
	Bore: ø50.5
	Length: 10, 15, 30, 40
	Keyway: 8×4
Distance of thread rolling spindles (mm)	90-125mm
output <pcs/min>	1 ~ 12
swivelling angle	± 3°
Servo Motor	1.7 kW × 2 = 3.4 kW
Feeding Servo Motor	1.7 kW
Feeding Power (right roller)	Ball screw (5.5 ton)
net weight	750 kg
Operation required space	900mm × 950mm × 1900mm



Component parts

Materials:

1. Machine base: High tension case iron FC-25 ~ FC-30 frame
2. Worm series : SNCM-21 tool steel with normalizing & carburizing progress
3. Worm gears : Phosphor bronze
4. Worm shafts : SNCM-21 tool steel with normalizing & carburizing progress. (Grinding threads)

Bearings:

1. Ball bearings : NTN, NSK
2. Roller bearings : NTN , URB
3. Needle bearings : IKO
4. Feeding: C1 grade, grinding ball screw (PMI)
5. Ball screws , Linear guideway: PMI

Accessories:

1. Y axial, Z axial (main shaft): 1.7 Kw servo motor*2 units
2. X axial (right roller feeding): 1.7 Kw servo motor * 1 unit
3. Servo Motor brand: Syntec
4. Dialogue CNC Syntec -F01-20
5. X axial worm gear reducer: LIMING