



Unify thread rolling machines & dies

UM-30 CNC Type thread rolling machine

work piece diameter (mm)	ø5 - ø30
Axial pitch for ISO threads(mm)	0.8P - 3.5P (M0.2 - M1.0)
Length of thread rolling (mm)	In feed (Plunge) : 70mm
	Thru feed: no limited
Spindle speed	1 - 50 r.p.m (Servo motor)
Thread rolling dies	Diameter: ø150
	Bore: ø54
	Length: 35, 70
	Keyway: 10×5
Distance of thread rolling spindles (mm)	130-180mm
output <pcs/min>	1 ~ 12
swivelling angle	± 4°
Servo Motor	2.4 kW × 2 = 4.8 kW
Feeding Servo Motor	1.7 kW
Feeding Power (right roller)	Ball screw (14.5 ton)
net weight	1450 kg
Operation required space	1300mm × 1200mm × 2100mm



Component parts

Materials:

1. Machine base: High tension case iron 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. Ball screws : PMI
5. Linear guideway: PMI

Accessories:

1. Y axial, Z axial (main shaft): 2.4 Kw servo motor*2 units [Syntec]
2. X axial (right roller feeding): 1.7 Kw servo motor * 1 unit [Syntec]
3. Controller: dialogue CNC Syntec [HC15E-S-15"]
4. X axial planetary gear reducer : Apex