



Unify thread rolling machines & dies

UM-50A CNC Type thread rolling machine	
work piece diameter (mm)	ø6 - ø50
Axial pitch for ISO threads(mm)	1.0P- 10.0P (M0.5 - M3.0)
Length of thread rolling (mm)	In feed (Plunge) : 148mm
	Thru feed: no limited
Spindle speed	1 - 80 r.p.m (Servo motor)
Thread rolling dies	Diameter: ø200
	Bore: ø70
	Length: 35, 70, 100, 150
	Keyway: 14×7
Distance of thread rolling spindles (mm)	190-250mm
output <pcs/min>	1 ~ 12
swivelling angle	± 4°
Servo Motor	7.5 kW × 2 = 15 kW
Feeding Servo Motor	7.5 kW
Feeding Power (right roller)	Ball screw (30 ton)
net weight	3250 kg
Operation required space	2000mm × 1850mm × 2405mm
	
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)	
5. Feeding: C1 grade, grinding ball screw	
6. Center holder: Linear guideway, Air cylinder	
Bearings:	
1. Ball bearings : NTN, NSK	
2. Roller bearings : NTN , URB	
3. Needle bearings : IKO	
4. Ball screws : PMI [1R12020-F1-FSVH-377-602-0.025]	
5. Linear guideway: PMI [MSR45LE2SSF1-R625.5-24/24HIII]	
Accessories:	
1. Y axial, Z axial (main shaft): 7.5 Kw servo motor*2 units [Syntec S08-AM48-20-F5]	
2. X axial (right roller feeding): 5.5 Kw servo motor * 1 unit[Syntec S08-AM35-20-F5]	
3. Controller: dialogue CNC Syntec [HC15E-S-15" _M3]	
4. X axial planetary gear reducer : Apex [AB180-050-S2-P2]	