



Unify thread rolling machine

UM-40A CNC, 2-roll CNC thread rolling machine

work piece diameter (mm)	ø6 ~ ø40
Axial pitch for ISO threads	1.0P - 10.0P (M0.5 - M3.0)
length mm	In feed: 148mm
length mm	thru feed: no limited
spindle speed	1 ~ 80 r.p.m <servo motor>
thread rolling die	Diameter ø180
	Bore ø54
	length 35 , 70 , 100 , 150 mm
	Keyway 10×5
Distance of thread rolling spindles	154 - 220mm
output	1 ~ 12
swivelling angle	± 4°
servo motor	5.5kW * 2 units
feeding servo motor	5.5 kW * 1 unit
feeding power	20 ton (driven by ball screw)
net weight	2500 kg
required space	1500mm × 1500mm



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. Pneumatic center holder (linear guide way)

Bearings:

1. Ball bearings : NTN, NSK
2. Roller bearings : NTN , URB
3. Needle bearings : IKO
4. Ball screws , Linear guideway: PMI

Accessories:

1. Y axial, Z axial (main shafts): 5.5 Kw (Syntec servo motor)
2. X axial (right roller feeding): 5.5kW (Syntec servo motor)
3. Controller: Syntec programmable CNC dialogue interface
4. X axial planetary gear reducer : Apex
5. Rotary encoder : HONTKO