



Unify NC thread rolling machine

UM-16-NC , thread rolling machine

work piece diameter (mm)	ø2 ~ ø16
Axial pitch for ISO threads	0.4P - 2.0P (M0.2 - M0.75)
length mm	In feed: 38mm
length mm	thru feed: no limited
spindle speed	1 ~ 55 r.p.m (Inverter)
Thread rolling die	Diameter ø100
	Bore ø50.5
	Length 10 , 15 , 30 , 40 mm
	Keyway 8x4
Distance of thread rolling spindles	90 - 125mm
output <pcs/min>	1 ~ 12
swivelling angle	± 4°
feeding servo motor	1 kW
feeding power (right roller)	5.5 ton (driven by ball screw)
net weight	680 kg
required spacce	1400mm×1000mm×2100mm



component parts:

Materials:

1. Machine base: High tension case iron FC-25 ~ FC-30 frame
2. Shaft series : SNCM-21 tool steel with normalizing & carburizing progress
3. Worm gears : Aluminum 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. Rotary encoder : HONTKO
2. Main motor : 3 HP 4PB (Siemens)
3. X axial (right roller feeding): 1.0kW (Delta)
4. Controller: LNC programmable CNC dialogue interface
5. X axial planetary gear reducer: LI MING