



Unify thread rolling machine

UM-30-NC , thread rolling machine

work piece diameter (mm)	ø5 ~ ø30
Axial pitch for ISO threads	0.8P - 3.5P (M0.2 - M1.0)
length mm	In feed: 148mm
length mm	thru feed: no limited
spindle speed	30 ~ 65 r.p.m
thread rolling die	Diameter ø150
	Bore ø54
	length 35 , 70 mm
	Keyway 10x5
Distance of thread rolling spindles	142 - 185mm
output	4 ~ 20
swivelling angle	± 7°
feeding servo motor	1.8kW
feeding power	14.5 ton (driven by ball screw)
net weight	1400 kg
required space	1300mm × 1200mm



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 : Aluminum 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. Rotary encoder : HONTKO
2. Main motor : 5 HP 4PB (Siemens)
3. X axial (right roller feeding): 1.8kW - 2.0kW (Delta)
4. Controller: LNC programmable CNC dialogue interface
5. X axial planetary gear reducer: Apex