



Unify thread rolling machines

UM-120 Hydraulic thru feed thread rolling machines:

Work piece diameter (mm)	ø10 -ø120	
Axial Pitch for ISO threads (mm)	1.0P~12.0P	
Length of thread rolling (mm)	In feed (Plunge) : 198mm	
	Thru feed: no limited	
Spindle speed	15 ~ 40 rpm <inverter>	
Thread rolling die	Diameter	
	Bore	
	Length	
	Keyway	
Distance of thread rolling spindles	230-380mm	
output <pcs/min>	2~10	
Swivel of roll-Axis	+/-6°	
Main power motor	50HP	
Hydraulic Motor	15HP	
Max rolling pressure	120 TON	
net weight (kg)	13300	
Gross weight (kg)	13500	
Operation required space	4800 x 4500 x2000	
overall dimensions	★ ship with 40 feet container	

UM-100 component parts

Material:

1. Machine base: CSC Steel plates Upper base: FC-25 ~ FC-30 frame
2. Worm series : JIS SNCM-21 tool steel with normalizing & carburizing progress, thread profile (HRC55°)
3. Worm gears : Phosphor bronze
4. Feeding worm: thread grinding profile (automatic)

Bearings:

1. Ball bearings : NTN, NSK
2. Roller bearings : NTN , URB
3. Needle bearings : IKO
4. Universal joints : Cross head bearings -KOYO or Japanese brand made.

Electrical parts:

1. Main motor : 50HP (Siemens ,or Teco)
2. Main inverter : 60HP (Delta)
3. Hydraulic motor : 15HP (Teco)
4. Hydraulic pump : Daikin
5. Accessories : PLC control & Human machine interface
6. Solenoid control valves : Yuken
7. Fagor linear scale (feeding worm)

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