



Unify thread rolling machines

UM-100 Hydraulic thru feed thread rolling machines:

Work piece diameter (mm)		ø10 -ø100
Axial Pitch for ISO threads (mm)		1.0P~10.0P
Length of thread rolling (mm)		In feed (Plunge) : 198mm
		Thru feed: no limited
Spindle speed		15, 20, 25, 30, 35, 50
Thread rolling die	Diameter	ø250 (max)
	Bore	ø110
	Length	70, 100, 150, 200mm
	Keyway	25 x 7
Distance of thread rolling spindles		200-350mm
output <pcs/min>		4~12
Swivel of roll-Axis		+/-6°
Main power motor		50HP
Hydraulic Motor		10HP
Max rolling pressure		100 TON
net weight (kg)		11500
Gross weight (kg)		12100
Operation required space		3000 x 3830 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. 6 speed transmission gear box (Unify)
3. Hydraulic motor : 10HP (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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