



Unify thread rolling machines & dies

UM-50 (50A) Hydraulic thru feed thread rolling machines:

Work piece diameter (mm)	$\phi 6 - \phi 50$	
Axial Pitch for ISO threads (mm)	1.0P ~ 6.35P	
Length of thread rolling (mm)	In feed (Plunge) : 148mm	
	Thru feed: no limited	
Spindle speed	25 ~ 55 r.p.m (Frequency spindle)	
Thread rolling die	Diameter	$\phi 178$ (50A = 200 ϕ)
	Bore	$\phi 54$ (50A = 70 ϕ)
	Length	35, 70, 100, 150mm
	Keyway	10*5 (50A: 14*7)
Distance of thread rolling spindle	255-155mm	
output <pcs/min>	4~20	
Swivel of roll-Axis	+/-7°	
Main power motor	15HP	
Hydraulic Motor	5HP	
Max rolling pressure	40 TON	
net weight	3250 kgs	
Gross weight	3600 kgs	
Operation required space	1900 * 2300 * 2300mm	
overall dimensions	1790 * 2270 * 2230mm	



UM-50 component parts

Material:

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)

Bearings:

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

Electrical parts:

1. Main motor : 15HP (Siemens ,or Teco)
2. Inverter: 15HP (Delta)
3. Hydraulic motor : 5HP (Teco)
4. Hydraulic pump : Daikin
5. Accessories : Relay controlled system
6. Solenoid control valves : Yuken

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UM-50/UM-50A

Universal joints



Upper part



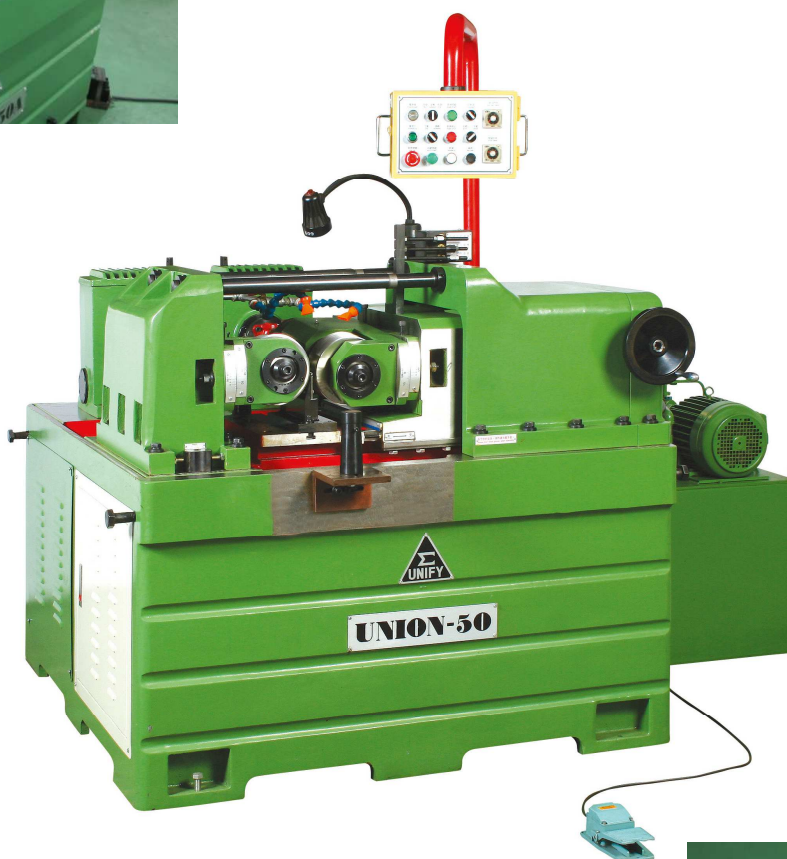
Hyd. System



main shaft inverter



back view



Control box

