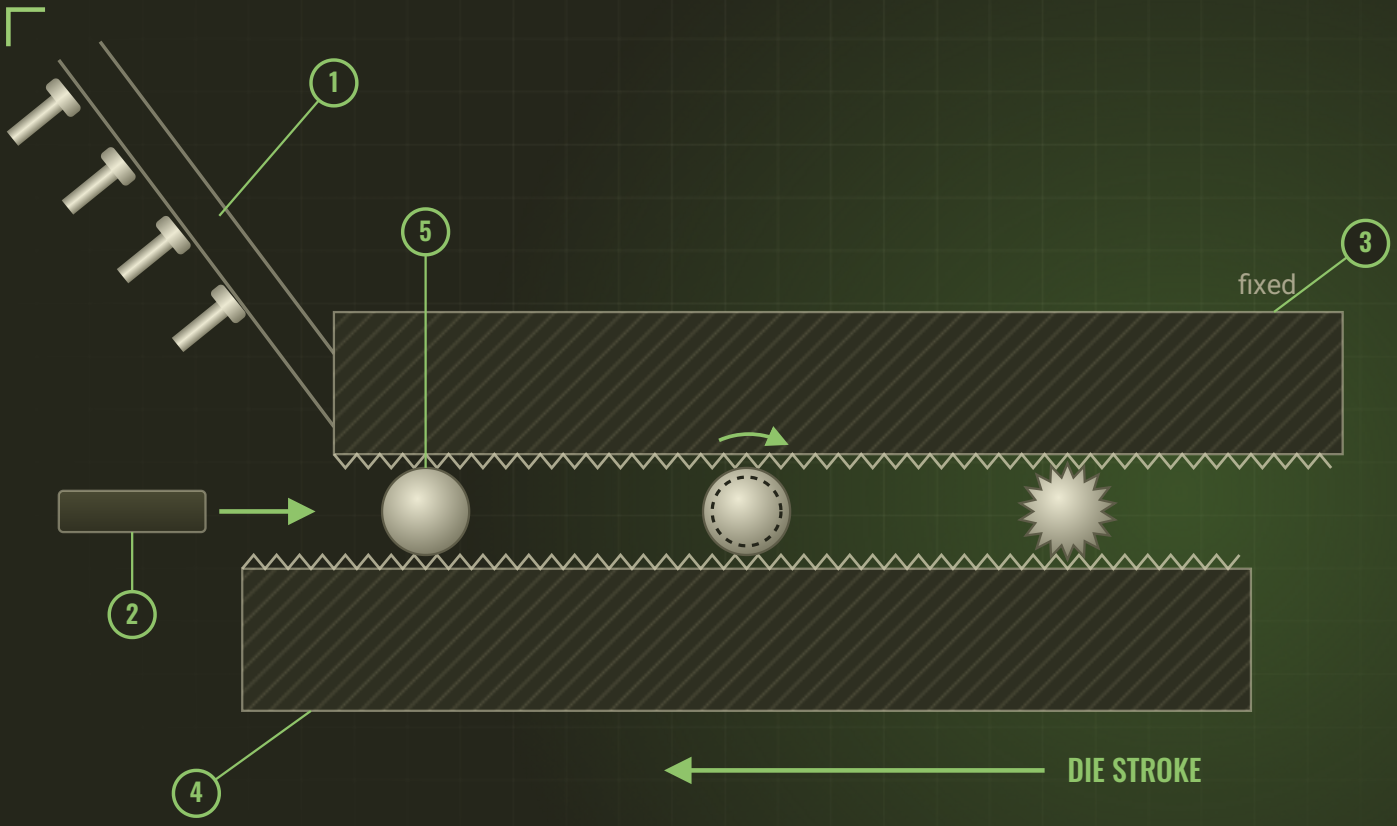
ADHUNIK ENGINEERS
Quality Machines. Trusted Performance.

TR series product brochure

THREAD ROLLING MACHINES

Threads pressed in, not cut. Seven flat die models for 2 to 12 mm threads, at up to 300 pieces a minute.



1. Feed rail brings headed blanks
2. Feed finger pushes each blank in
3. Fixed die
4. Moving die slides past it
5. Blank rolls and picks up the thread
6. Finished, chipless thread

7	2 to 12 mm	300
Models, TR-3 to TR-12	Thread diameter	Pieces a minute, max

Drawn for	Product	Est.	Made in	Sheet
ADHUNIK ENGINEERS	TR SERIES	1988	PUNJAB, INDIA	1 OF 4

How it works

THREADS FORMED BY PRESSURE

A thread rolling machine presses the thread form into a headed blank between two hardened flat dies. One die is fixed, the other slides past it, and the blank rolls between them, picking up the thread as it turns.

Nothing is cut away, so there are no chips and no wasted wire. Our TR series covers 2 to 12 mm threads and self tapping gauges #2 to #16.



1
FEED BLANK
Headed blanks drop in from the feed rail.

2
APPLY PRESSURE
The moving die rolls the blank against the fixed die.

3
FORM THE THREAD
The thread form is pressed into the surface.

4
STAY MATCHED
Dies stay in step so the thread starts cleanly.

5
CHIPLESS FINISH
The screw leaves finished, with no cutting waste.

Built for long runs

FEATURES

A.C. MOTOR AND INVERTER
Speed set to the job, from setup to full production.

PHOSPHOR BRONZE LINERS
Smooth running slides with replaceable wear parts.

GRAY CAST IRON BUILD
Damps vibration for a steady roll.

HIGH STRENGTH FRAME
Takes the rolling load without flexing.

EASILY ADJUSTABLE SETUP
Faster die matching when you change size.

SELF TAPPING READY
Gauges #2 to #16 on the TR-3 to TR-8.

What it makes

- Machine screws
- Bolts
- Studs
- Threaded rod
- Threaded components
- Self tapping screws

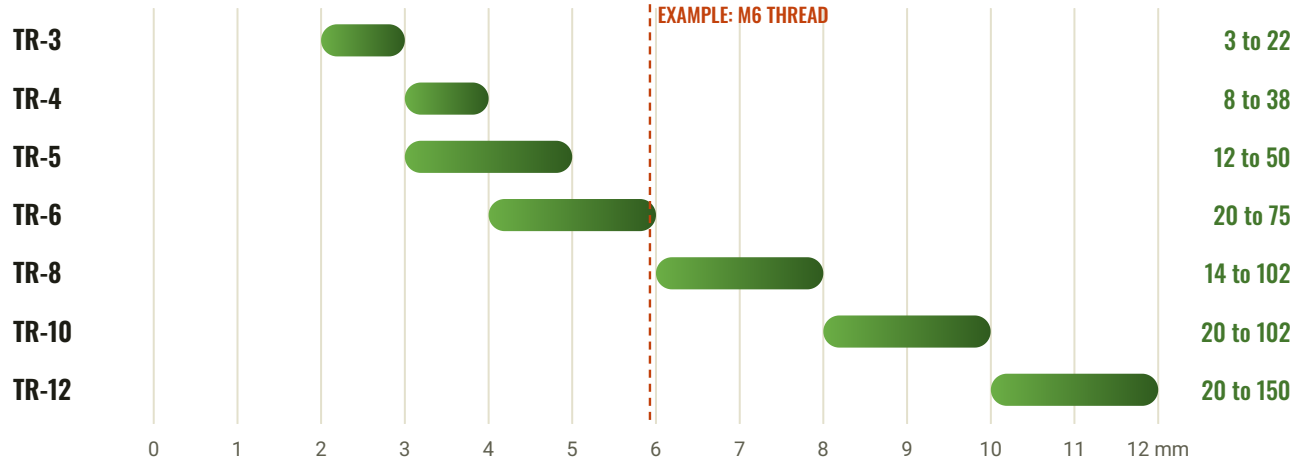
Specifications

SEVEN MODELS. ONE FOR YOUR THREAD.

Model	Thread dia (mm)	Self tapping gauge	Thread length (mm)	Max output (pcs/min)	Motor (HP)	Approx weight (kg)
TR-3	2 to 3	#2 to #4	3 to 22	300	2	600
TR-4	3 to 4	#4 to #10	8 to 38	280	3	900
TR-5	3 to 5	#6 to #14	12 to 50	220	5	1200
TR-6	4 to 6	#6 to #14	20 to 75	110	5	1500
TR-8	6 to 8	#6 to #16	14 to 102	85	7.5	2500
TR-10	8 to 10	N/A	20 to 102	80	7.5	4000
TR-12	10 to 12	N/A	20 to 150	60	15	5000

PICK A MODEL BY THREAD SIZE

Bar shows the thread diameter range. Number shows thread length range.



Thread length must sit inside the range for the model. Send your drawing and our team confirms the model.

WHY ROLL A THREAD

NO CHIPS
Metal is moved into shape, not cut away, so nothing is wasted.

LESS WIRE PER SCREW
The blank is smaller than the finished thread, because rolling raises the crest.

BUILT FOR VOLUME
One pass of the die forms the full thread, at up to 300 pieces a minute.

TYPICAL ROLLER BY SIZE

Before thread length is checked.

M2 to M3	TR-3	M4	TR-4
M5	TR-5	M6	TR-6
M8	TR-8	M10	TR-10
M12	TR-12		

ADHUNIK ENGINEERS
Since 1988

adhunikengineers.com

ONE LINE. ONE MAKER.

Stage 1
COLD HEADING
H-3 to H-10L
0.8 to 10 mm

Stage 2
TRIMMING
TM-5 to TM-10
Hex and flange heads

Stage 2
SLOTTING AND BT CUT
2 to 6 mm
Slots and BT notches

Stage 3
THREAD ROLLING
TR-3 to TR-12
2 to 12 mm

SPARES ALWAYS IN STOCK
Dies, liners, cutters and wear parts kept ready for every model.

BUILT ON VMC, CMC AND HMC
Fully automated production, so parts repeat machine to machine.

ON TIME DELIVERY
Dispatch dates agreed up front and kept.

3,500+ MACHINES DELIVERED
At work in fastener plants in India and abroad.

“PRECISION ISN'T A FEATURE, IT'S THE STANDARD WE BUILT THIS COMPANY ON.”

Three generations of the Khokhar family, since 1988

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36 Plot, 182 Line, Industrial Area 1, Chandigarh 160001

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ADHUNIK ENGINEERS	TR SERIES	1988	PUNJAB, INDIA	4 OF 4