

*Precision Gear Change  
Pitch Control Tapping  
Machine*



**JUST TAP IT**

**MACHLESS**

■ LOW TAP BREAKAGE ■ NO THREAD DAMAGE ■ NO OVER SIZING

**IIMC Machines**



# MACHLESS PRECISION GEAR CHANGE PITCH CONTROL TAPPING MACHINE

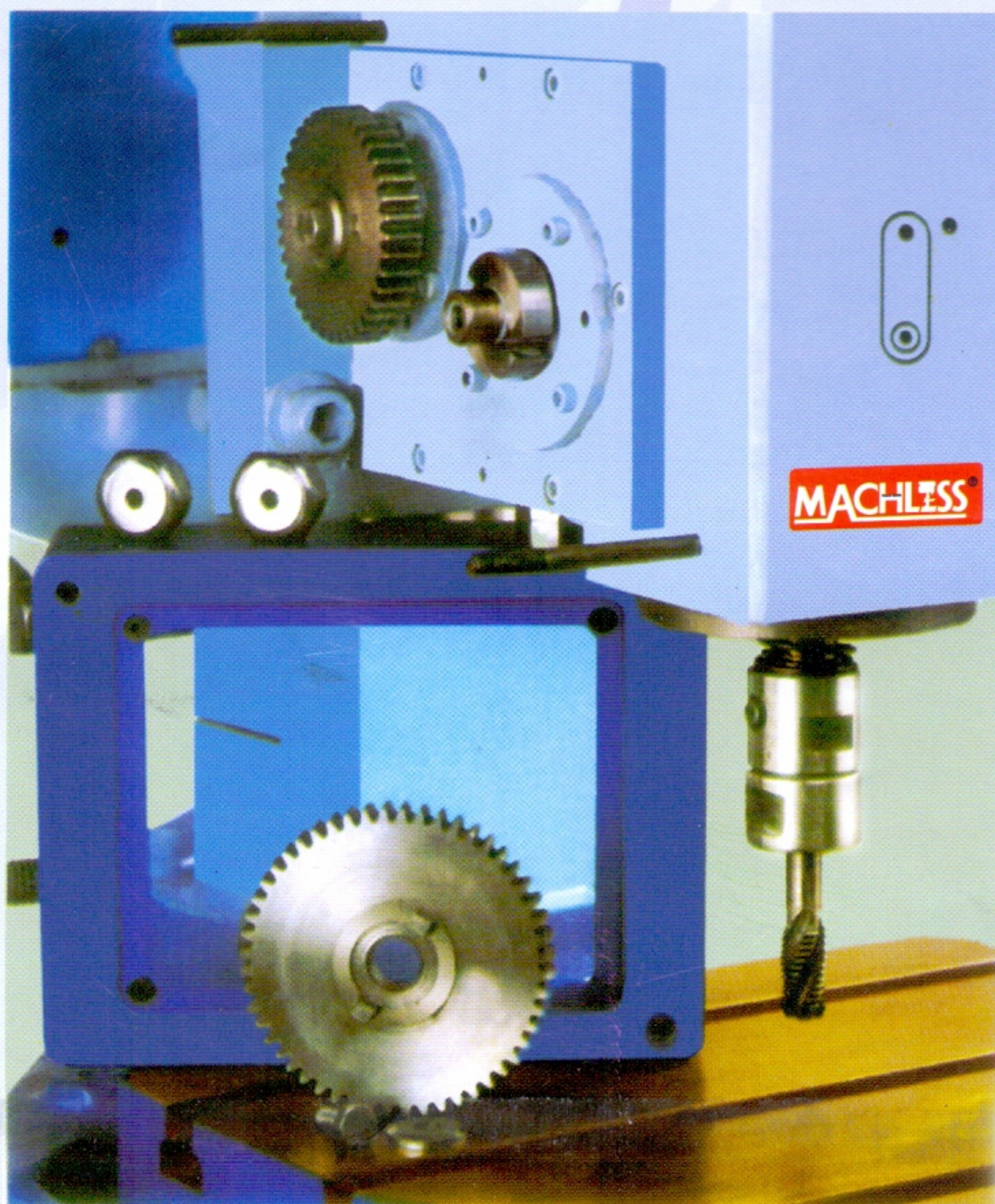
## SALIENT FEATURES

- Closed grained cast iron ribbed machine parts, minimise vibration and distrtion.
- All mooving parts are hardend and ground for long life.
- Bore honed to give high accuracy and closed Tolerance.
- Rack Pinion also provided with feed friction clutch. These are designed to be idel on encounter of any obstacle or meeting any wrong point on tapping.
- Hardend charge gears controls the pitch, which gives precise and rapid production of high accuracy. This reduses the set time and increase production.
- Main spindle pulley mounted with manually adjustable safety clutch.
- The change gears are used over and over again. This way conventional lead screw and nut are replaced; which have a poor repeatability and short life span.
- Threads are never fracture or over cut due to elimination of excessive thrust force of feeding spindle.
- Tapping strokes are adjustable for high accuracy with automatic reversing which is suitable for blind hole tapping applications.

## SPECIFICATION

PARTICULARS	MODELS			
	MACH - 01.06	MACH - 01.10	MACH - 02.20	MACH - 03.30
TAPPING CAP				
IN STEEL	6 MM	10 MM	20 MM	30 MM
IN IRON CAST	8 MM	12 MM	22 MM	33 MM
SPINDLE TRAVEL	40MM	45 MM	65 MM	70 MM
DISTANCE BETWEEN SPINDLE CENTRE TO COLUMN	170 MM	210 MM	260 MM	285 MM
VERTICAL TRAVEL OF TAPPING HEAD	390 MM	410 MM	450 MM	460 MM
COLOUM DIA	58 MM	74 MM	87 MM	98 MM
SPINDLE SPEEDS	930,1320,1825	400-750-1510	157-280-510	50-105-216
MOTOR RATING				
KW	.37	0.75	1.1	1.5
HP	.5	1	1.5	2
NET WEIGHT KG	95	125	220	260
TAPPER IN SPINDLE	May vary from tapper(MT) size to collect system depending on job requirements.			
BASE WORKING AREA	220X205	230 x 240 MM	345 x 385 MM	360 x 400 MM
FLOOR AREA REQUIRED	285X410	320 x 490 MM	470 x 610 MM	500 x 655 MM
STANDARD TAPPING PITCH				
IN MM {	.35,.4,.5,.6,.7,.8,1mm	0.5,0.6,0.7,0.75,0.8,0.9,1.0,1.25,1.5	1.0,1.25,1.5,1.75,1.8,2.0,2.5	1.5,1.75,1.8,2.0,2.5,3.0,3.5,4.0
IN TPI {	20,24,32,40,48,56,64	18,20,22,24,26,27,28,32,36,40	10,11,11.5,12,13,14,16,18,20,22,	7,8,9,10,11,12,13,14

Specification are subject to change due to constant improvement in design without prior notification.



- Capacity various according to pitch material, type of thread etc.
- Optional Pully available subject to material and thread.
- Standard equipments-Electrical panel, Electrical motor, Pully, V-belt & Two set of gears for any pitch required.
- Optional Fixed and adjustable multi spindle tapping unit available as per specifications provided.
- Optional coolant tank with assembly and pump available.

Manufactured By:



**INDIA INTERNATIONAL MARKETING COMPANY**

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