

Pneumatic

SERIES:
200, 400 & 500



Model R-200

Reach 935 mm.— 37"
Height 660 mm.— 26"

- Tap up to M14 (M16 Al) - 9/16"
- Air motor engineered for tapping
- Heavy duty cast aluminium construction
- Base elevator
- Tap adaptors of Size 1 for quick change

OPTIONS

- Vertical tapping
- Vertical & Horizontal tapping –VH- (4x90°)
- 350 or 750 rpm single speed models

(90 kg./mm²)
M16 (aluminium)

TAP UP TO
M14-9/16"



Orientable head V-H

Description	Head orientation	Speed RPM	Capacity (Steel 90 kg./mm ²)	
			Metric	Inch
Roscamat 200 – 350	Vertical	350	M2-M14	#0 – 9/16"
Roscamat 200 – 750	Vertical	750	M2-M10	#0 – 3/8"
Roscamat 200 VH – 350	Vertical/Horizontal	350	M2-M14	#0 – 9/16"
Roscamat 200 VH – 750	Vertical/Horizontal	750	M2-M10	#0 – 3/8"

Model R-400

Reach 1100 mm. - 43"

Height 680 mm. - 27"

- TAP UP TO M24- 7/8"
- Speed Range [rpm] 90 - 2100
- Air motor engineered for tapping
- Heavy duty cast aluminum construction
- Utilizes size 19/1 & 31/2 tap adaptors for quick change
- 1 Motor 7 speed capabilities
- 7 interchangeable speed modules
- Drilling Module up to ø8 mm.
- 5/16" [soft materials]

OPTIONS AVAILABLE

- Vertical tapping
- Vertical & Horizontal tapping
-VH- (4x90°)
- Tool lubrication system -E-



(90 kg./mm²)
M27 (aluminium)

TAP UP TO
M24-7/8"

Description	Head orientation	Capacity [Steel 90 kg./mm ²]	
		Metric	Inch
ROSCAMAT 400 V	Vertical	M2-M24	#0 - 7/8"
ROSCAMAT 400 V -E-	Vertical	M2-M24	#0 - 7/8"
ROSCAMAT 400 VH	Vertical & Horizontal	M2-M24	#0 - 7/8"
ROSCAMAT 400 VH -E-	Vertical & Horizontal	M2-M24	#0 - 7/8"

Modular System - Interchangeable Speed

Module	Max. speed. [rpm]	Torque max.		Adapter Size	Tapping Capacity - Steel <90Kg	
		Nm	Ft•lb		Metric	Inches
90	90	150	66	ø 31/2	M18-M27	5/16"-3/8"
170	170	79	58	ø 31/2	M18-M22	5/16"-5/8"
300	300	44	32	ø 19/1	M2-M16	#0-9/16"
550	550	24	18	ø 19/1	M2-M12	#0-1/2"
750	750	17	13	ø 19/1	M2-M8	#0-3/8"
1.050	1.050	12,5	9	ø 19/1	M2-M6	#0-5/16"
2.100	2.100	6	4	B16	Drill up to ø 8 - 5/16" Aluminum, Cast Iron	



**Modules for Pneumatic models
ROSCAMAT R400, R500**

Model R-500 V/ R-500 RHM / R-500 RHC

Reach 2255 mm. - 88"
Height 1140 mm. - 44"

- TAP UP TO M24- 7/8"
- Speed Range [rpm] 90 - 2100
- Air motor engineered for tapping
- Heavy duty cast aluminum construction
- Utilizes size 19/1 & 31/2 tap adaptors for quick change
- 1 Motor 7 speed capabilities
- 7 interchangeable speed modules
- Drilling Module up to ø8 mm. - 5/16 " [soft materials]

OPTIONS AVAILABLE

- Vertical tapping
- RHM Multiposition, tap in any angle normally
- RHC, Multiposition tap in any angle keeping perpendicularity
- Tool lubrication system -E-

(90 kg./mm2)
M27 (aluminium)

TAP UP TO
M24-7/8"

The **RH series**
can Tap at any angle!



R-500 RHM



R-500 RHC



R-500 V

Description	Head Orientation	Tapping Capacity [Steel 90 kg./mm ²]	
		Metric	Inch
ROSCAMAT 500 V	Vertical	M2-M24	#0 - 7/8"
ROSCAMAT 500 V -E-	Vertical	M2-M24	#0 - 7/8"
ROSCAMAT 500 RHM	Multiposition Manual	M2-M24	#0 - 7/8"
ROSCAMAT 500 RHM -E-	Vertical & Horizontal	M2-M24	#0 - 7/8"
ROSCAMAT 500 RHC	Multiposition Constant	M2-M24	#0 - 7/8"
ROSCAMAT 500 RHC E	Multiposition Constant	M2-M24	#0 - 7/8"

Toolholders applications



Torque Control Tapholders

With Clutch limited torque Setting
avoiding breaking the TAP



Rigid Tapholders

Rigid tapholders are best suited for
getting tools like chamfers, drills,
reamers or screwing devices.



Helicoil fittings

use these special items according to size for helicoil inserts.
Available in Metric, UNC & UNF



Ensats inserts



Coupling Size 19/1 Length = 80 mm.

Tool extension to reach
difficult deep points

Metric	Coupl. ø	Tap Fitting DIN ø x	Norm
M2	19/1	2,8x2,1	DIN 371
M3	19/1	3,5 x 2,7	DIN 371
M4	19/1	4,5 x 3,4	DIN 371
M5	19/1	6 x 4,9	DIN 371
M6	19/1	6 x 4,9	DIN 376
M7	19/1	7 x 5,5	DIN 376
M8	19/1	8 x 6,2	DIN 376
M10	19/1	10 x 8	DIN 376
M12	19/1	9 x 7	DIN 376
M14	19/1 & 31/2	11 x 9	DIN376
M16	19/1 & 31/2	12 x 9	DIN 376
M18	31/2	18 x 14,5	DIN 376
M20	31/2	16 x 12	DIN 376
M22	31/2	18 x 14,5	DIN 376
M24	31/2 & 48/3	18 x 14,5	DIN 376
M27	31/2 & 48/3	20 x 16	DIN 376
M30	31/2 & 48/3	22 x 18	DIN 376
M33	48/3	25 x 20	DIN 376
M36	48/3	28 x 22	DIN 376
M39	48/3	32 x 24	DIN 376
M42	48/3	32 x 24	DIN 376

Die thread holder

Different sizes according the diameter of
the die or Metric size



Drill Chuck

Single solution for drilling
soft materials without big
drilling effort



Reduction Cup

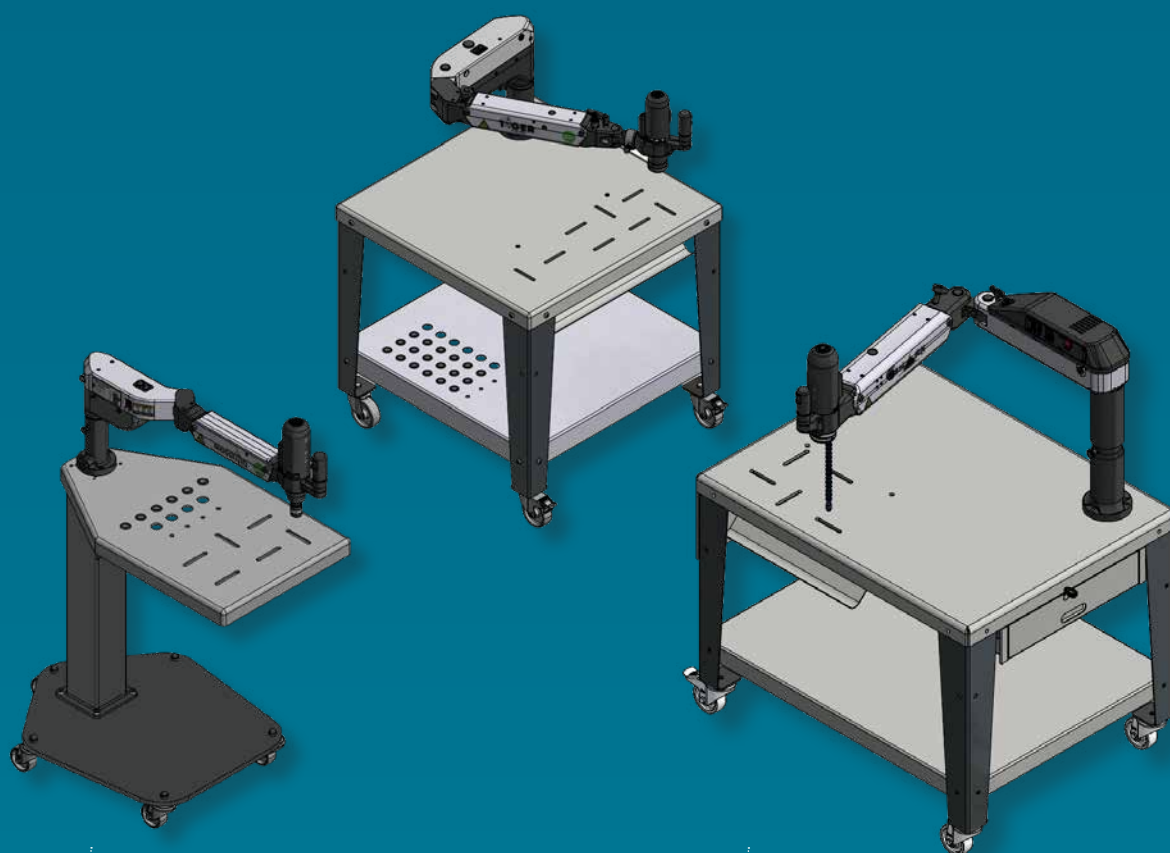
Used to adapt different tapholders coupling
dimensions.

4 types:

Reductor 48/31 • Reductor 31/19 • Reductor 48/19
• Reductor 19/13

	Coupl. ø	Tapping depth
MS	19/1	100 mm.
M5-M6	ø19/1	100 mm.
M8	ø 19/1	100 mm.
M10	ø 19/1	120 mm.
M12-M14	ø 19/1	150 mm.
M16-M20	ø 31/2	150 mm

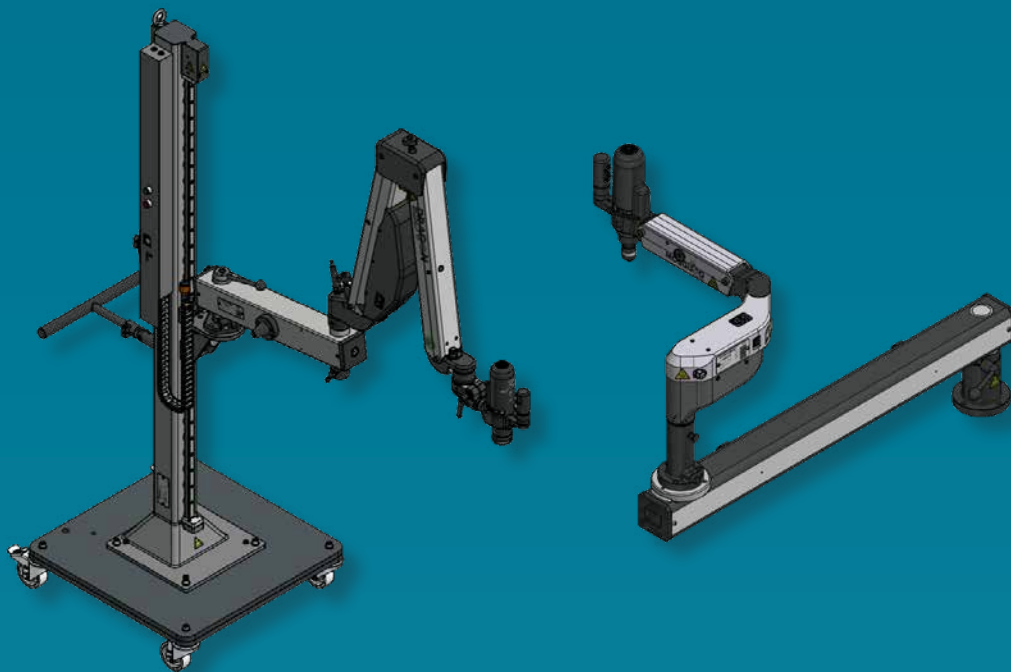
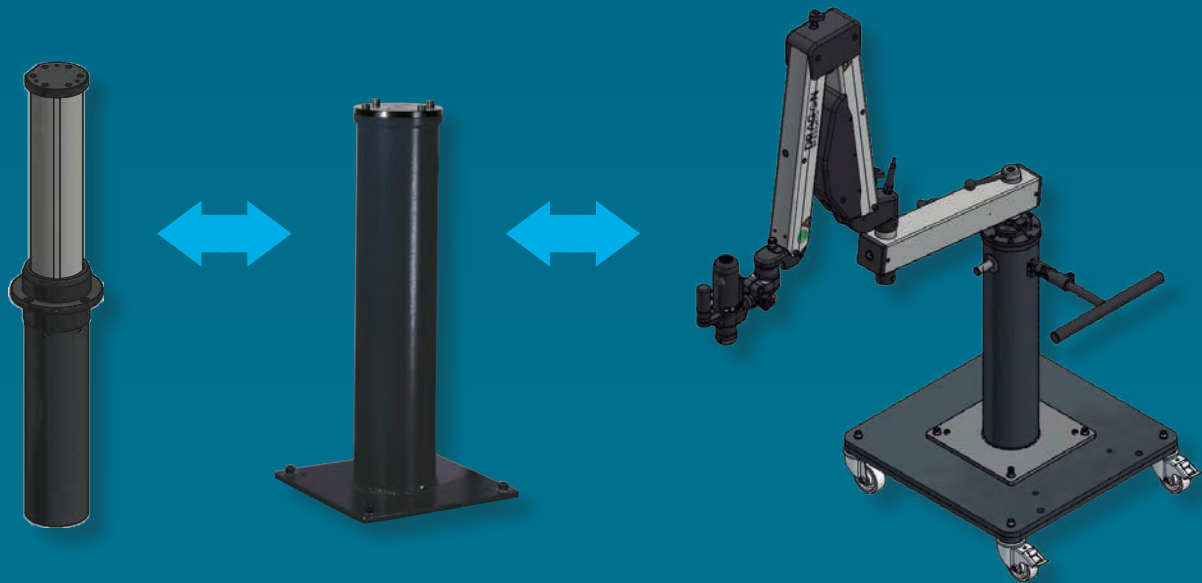
Accessories



Description	Dimensions		Series						
	mm	Inch	200	400	500	Mosquito	Tiger	Shark	Dragon
Small table	500 x 500 x 900 mm	19 11/16" x 19 11/16" x 35 7/16"	•	•		•			
Medium table	850 x 850 x 850 mm	33 7/16" x 33 7/16" x 33 7/16"		•	•	•	•	•	•
Large table	1100 x 850 x 850 mm	43 5/16" x 33 7/16" x 33 7/16"		•	•	•	•	•	•



Description	Dimensions		Series						
	mm.	Inch.	200	400	500	Mosquito	Tiger	Shark	Dragon
Small Clamp	N/A	N/A	•	•		•	•		
Large Clamp	N/A	N/A	•	•	•	•	•	•	•
Magnetic support	150x150		•						
Magnetic support	Ø200			•		•			
Magnetic support	Ø250			•	•		•		•



Description	Dimensions		Series						
	mm	inch	200	400	500	Mosquito	Tiger	Shark	Dragon
Pneumatic Lifter 550 mm	550	21 5/8"	•	•	•	•	•	•	•
Column	740	13 3/4" x 13 3/4" x 29 1/2"	•	•	•	•	•	•	•
Trolley	40	27 9/16" x 27 9/16" x 9/16"	•	•	•	•	•	•	•
Lifter 2000 mm.-Pneumatic	2000	13 25/32" x 13 25/32" x 76 5/32"	•	•	•	•	•	•	•
Radial Extension	1000	39 3/8" x 10 7/8"	•	•	•	•	•	•	•



**Sold in 5 continents
and 85 countries**





ROSCAMAT®

is a division of the Tecnospiro Machine Tool Company
located in Sant Joan de Vilatorrada a small village
about 40 miles west of Barcelona.

The company is family owned and has been in bussiness since
1947. Utilizing a state of the art manufacturing facility and a
dynamic engineering staff that has been very innovative in
design and inventing new products.

After 32 years in the market and covering the five continents
and more than 85 countries, we are proud to be the reference
in the market having more than 25.000 pieces of equipment
working successfully.

TECNOSPIRO

MACHINE TOOL SL

SAFETY WARNING ROSCAMAT products are engineered and manufactured with safety in mind. The heat treat specifications exceed or meet all standards. All of the products manufactured by ROSCAMAT are designed to perform without any undue safety issues when caution, common sense and proper safety practices are followed. The use of cutting tools and toolholders is safe when proper application and protection guidelines are observed. Even when these proper precautions are taken, it is possible that fragments of a cutting tool, cutting material, or holding device may be thrown at a very high rate of speed and have potential to cause severe bodily harm. It is imperative that general safety precautions and safety glasses be used at all times.

SINCE 1987

SIGNS OF OUR DUTY:

We Design / We Manufacture / We Service

PASSION FOR QUALITY PRODUCTS

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