

NORTH  
IS YOUR **POWER**



# RAGNAR

TAPPING | DRILLING | FOLDING | LOCKFORMER | CUTTING



## TAPPING & DRILLING MACHINES

[www.ragnar.com.tr](http://www.ragnar.com.tr)

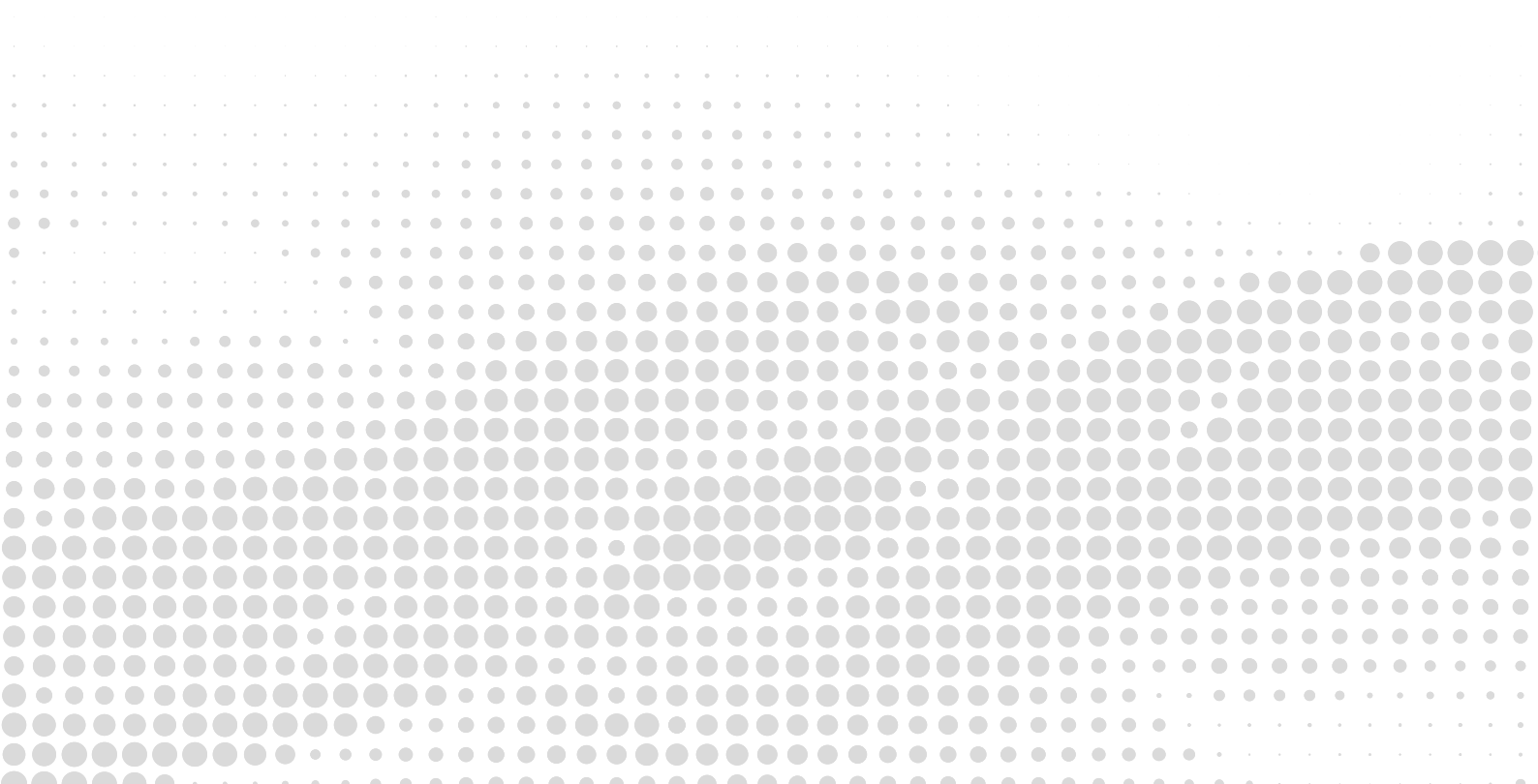


RAGNAR MACHINERY is established in 2010, and was starting business in special industrial machines, special purpose machines and sell to the countries all around the world. The parts used on the machines we developed are as high as 80% to be in-house production.

In 2014 we were concentrated in the R&D, manufacture, distribution of industrial metal working machines under the brand name "RAGNAR". We use the tapping, cutting, folding machines we made in our production lines as trial and the reference for the machine modifications. The machines have obtained good reputation by all our European and overseas customers who are selling and using RAGNAR machines.

Based on the ever-lasting policy, keep improving in product quality, technique and service, so as to meet customer's satisfaction has been always our commitment.

Our company has been sharing this philosophy as a starting point for all of our business activities since its formation. We believe that the creation and provision of new values based on customers' perspectives will strengthen the relationship of mutual trust between our customers and Ragnar, and become a source of mutual development.





**TAPPING MACHINES**

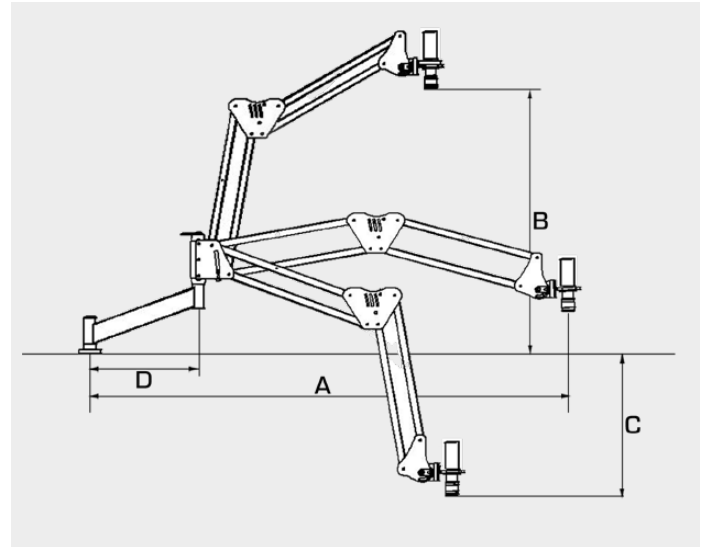




## RAGTAP HYDRAULIC SERIES



## ARM OPERATING MEASUREMENTS



MODEL	A	B	C	D
RAGTAP 16H	2050	1000	600	500
RAGTAP 24H	2050	920	700	500
RAGTAP 36H	2050	920	700	500

Model	Tap Capacity	Power Kw	Speed Rpm	Operating Pressure Bar	Weight Kg
RAGTAP 16H	M5-M16	3	0-600	60-100	250
RAGTAP 24H	M5-M24	3	1.Stage 0-600 2.Stage 0-150	60-100	260
RAGTAP 36H	M5-M36	5.5	0-125	60-120	270

## TECHNICAL SPECIFICATIONS

- M5-M36 Tapping capacity
- 380 V operating Voltage
- High speed ranges
- Easy to use and ergonomic constructions
- Strong constructions
- moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)

## MACHINE INFORMATION

RAGTAP 16H, 24H, 36H Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

Thanks to the safe tap holders you will use with RAGTAP 16H, 24H, 36H Hydraulic Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.

## TABLE DIMENSIONS FOR ALL MODELS

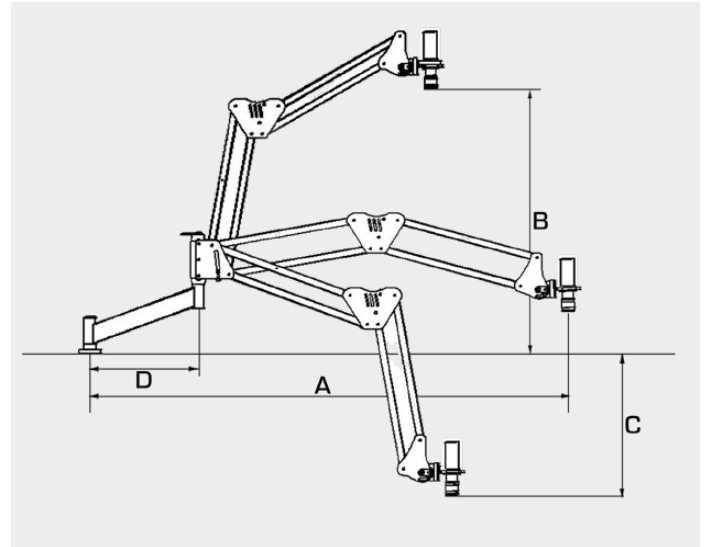


Width	Lenght	Height
700	900	900

## RAGTAP HYDRAULIC INVERTER SERIES



## ARM OPERATING MEASUREMENTS



MODEL	A	B	C	D
RAGTAP 16Hi	2050	1000	600	500
RAGTAP 24Hi	2050	920	700	500
RAGTAP 36Hi	2050	920	700	500

Model	Tap Capacity	Kw	Rpm	Bar	Kg
RAGTAP 16Hi	M5-M16	3	0-700	60-100	250
RAGTAP 24Hi	M5-M24	3	1.Stage 0-700 2.Stage 0-200	60-100	260
RAGTAP 36Hi	M5-M36	5.5	0-250	60-120	270

## TECHNICAL SPECIFICATIONS

- M5-M36 Tapping capacity
- 380 V operating Voltage
- %15 Higher speeds than hydraulic tapping series
- Easy to use and ergonomic constructions
- Strong constructions
- moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)
- Energy Save

## MACHINE INFORMATION

RAGTAP 16Hi, 24Hi, 36Hi Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

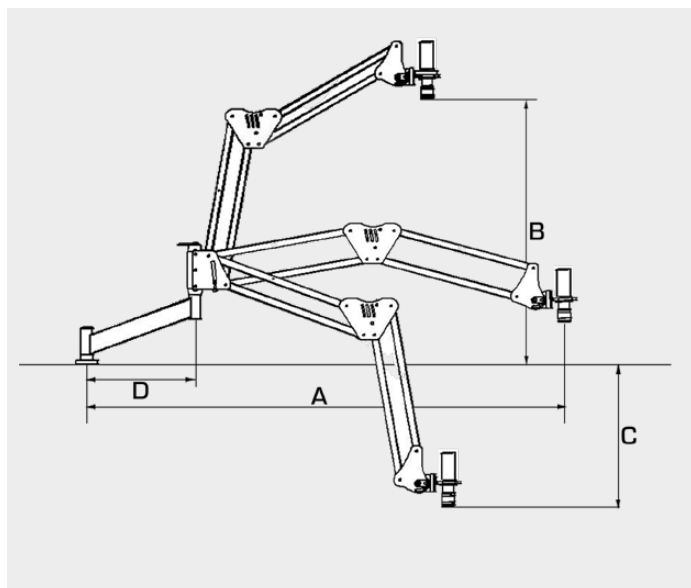
Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

Thanks to the safe tap holders you will use with RAGTAP 16Hi, 24Hi, 36Hi Hydraulic Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.

## TABLE DIMENSIONS FOR ALL MODELS



Width	Lenght	Height
700	900	900

**ARM OPERATING MEASUREMENTS****RAGTAP HYDRAULIC PLC SERIES**

MODEL	A	B	C	D
RAGTAP 16H PLC	2050	1000	600	500
RAGTAP 24H PLC	2050	920	700	500
RAGTAP 36H PLC	2050	920	700	500

Model	Tap Capacity	Power Kw	Speed Rpm	Operating Pressure Bar	Weight Kg
RAGTAP 16H PLC	M5-M16	3	0-700	60-100	250
RAGTAP 24H PLC	M5-M24	3	1.Stage 0-700 2.Stage 0-200	60-100	260
RAGTAP 36H PLC	M5-M36	5.5	0-250	60-120	270

**TECHNICAL SPECIFICATIONS**

- M5-M36 Tapping capacity
- Automatic Programmable PLC Control System
- GTAP Mode for cheap breaking
- Automatic Depth control system adjustable from Touch Screen
- Manual or Automatic Tapping features
- 380 V operating Voltage
- Higher speed ranges
- Easy to use and ergonomic constructions
- Strong constructions
- Moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)

**MACHINE INFORMATION**

RAGTAP 16H PLC, 24H PLC, 36H PLC Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

Thanks to the safe tap holders you will use with RAGTAP 16H PLC, 24H PLC, 36H PLC Hydraulic Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.

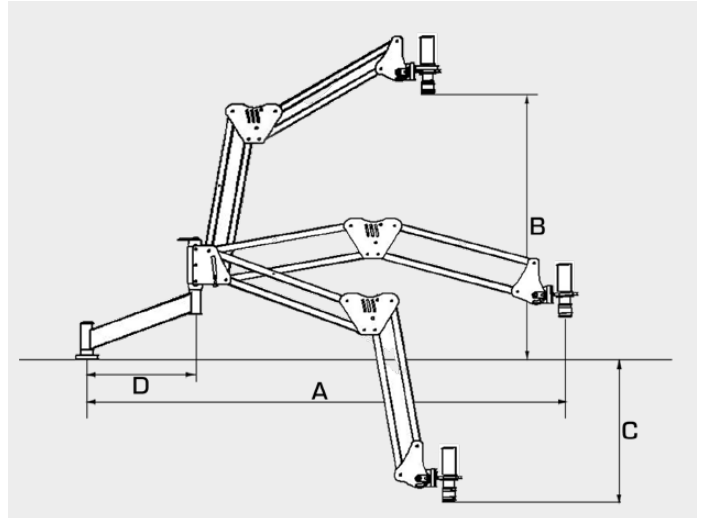
**TABLE DIMENSIONS FOR ALL MODELS**

Width	Length	Height
700	900	900

## RAGTAP SERVO SERIES



## ARM OPERATING MEASUREMENTS



MODEL	A	B	C	D
RAGTAP 16S	2050	1000	600	500
RAGTAP 24S	2050	920	700	500
RAGTAP 36S	2050	920	700	500

Model	Tap Capacity	Power Kw	Speed RPM	Weight Kg
RAGTAP 16S	M5-M16	0,75	0-480	210
RAGTAP 24S	M5-M24	0,75	0-320	220
RAGTAP 36S	M5-M36	1	0-160	240

## TECHNICAL SPECIFICATIONS

- M5-M36 Tapping capacity
- 220 V operating Voltage
- Higher speed ranges
- Silent working
- Easy to use and ergonomic constructions
- Strong constructions
- moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)

## MACHINE INFORMATION

RAGTAP 16S, 24S, 36S Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

This model provides easy operation with long life servo system and equipment with 220 V operating capability.

Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

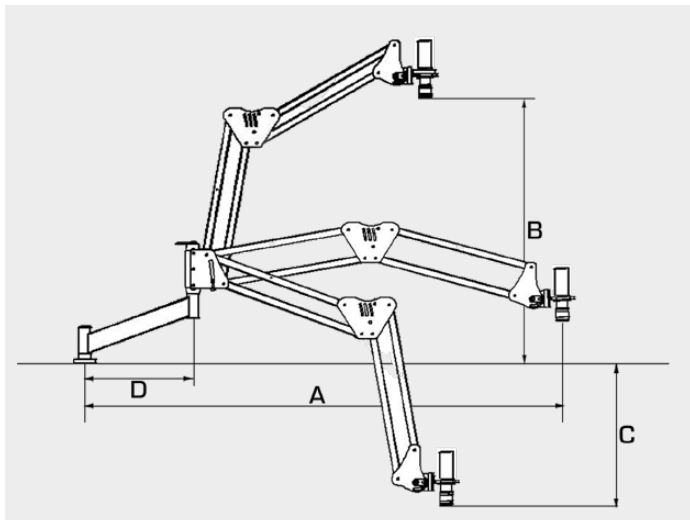
Thanks to the safe tap holders you will use with RAGTAP 16S, 24S, 36S Hydraulic Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.

## TABLE DIMENSIONS FOR ALL MODELS



Width	Length	Height
700	900	900

## ARM OPERATING MEASUREMENTS



MODEL	A	B	C	D
RAGTAP 16S PLC	2050	1000	600	500
RAGTAP 24S PLC	2050	920	700	500
RAGTAP 36S PLC	2050	920	700	500

## RAGTAP PLC SERVO SERIES



Model	Tap Capacity	Power Kw	Speed RPM	Weight Kg
RAGTAP 16S PLC	M5-M16	0,75	0-480	210
RAGTAP 24S PLC	M5-M24	0,75	0-320	220
RAGTAP 36S PLC	M5-M36	1	0-160	240

## TECHNICAL SPECIFICATIONS

- M5-M36 Tapping capacity
- Automatic Programmable PLC Control System
- GTAP Mode for cheap breaking
- Automatic Depth control system adjustable from Touch Screen
- Manual or Automatic Tapping features
- 220 V operating Voltage
- Higher speed ranges
- Silent working
- Easy to use and ergonomic constructions
- Strong constructions
- Moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)

## MACHINE INFORMATION

RAGTAP 16S PLC, 24S PLC, 36S PLC Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

This model provides easy operation with long life servo system and equipment with 220 V operating capability.

Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

Thanks to the safe tap holders you will use with RAGTAP 16S PLC, 24S PLC, 36S PLC Hydraulic Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.

## TABLE DIMENSIONS FOR ALL MODELS



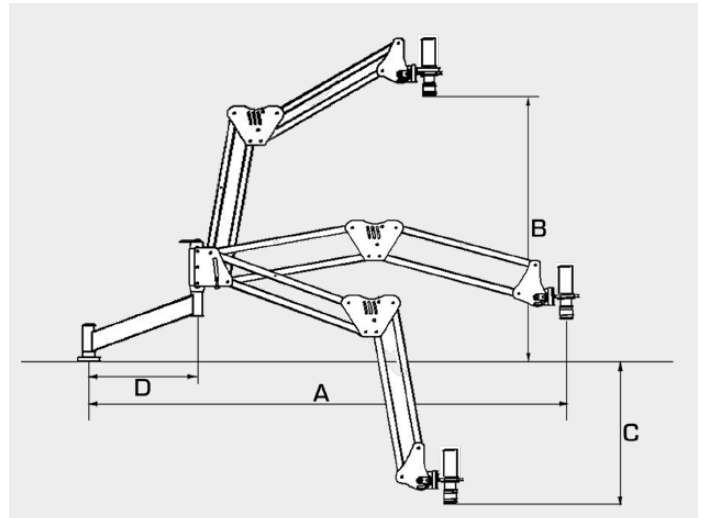
Width	Lenght	Height
700	900	900



## RAGTAP BAG TYPE SERVO TAPPING MACHINES



### ARM OPERATING MEASUREMENTS



MODEL	A	B	C	
RAGTAP 16SP	2050	1000	600	500
RAGTAP 24SP	2050	920	700	500
RAGTAP 36SP	2050	920	700	500

Model	Tap Capacity	Power Kw	Speed RPM	Weight Kg
RAGTAP 16SP	M5-M16	0,75	0-480	50
RAGTAP 24SP	M5-M24	0,75	0-320	60
RAGTAP 36SP	M5-M36	1	0-160	80

### TECHNICAL SPECIFICATIONS

- M5-M36 Tapping capacity
- 220 V operating Voltage
- Higher speed ranges
- Easy portability with bag type equipment
- Silent working
- Easy to use and ergonomic constructions
- Strong constructions
- Moving Arm Hardness adjustable piston system
- Adjustable speed setting
- 2050 mm radius working area
- Quick tap switching feature
- Vertical, horizontal tapping feature
- Different application areas (Reaming, riveting, molder grinding, countersinking, threading multi tapping etc.)

### MACHINE INFORMATION

RAGTAP 16SP, 24SP, 36SP BAG Type Tapping Machines are models having tapping capacity between M5-M36. They provide a wide working area thanks to the arm structure which can be opened up to 2500 mm in the radius.

This model provides easy operation with long life servo system and equipment with 220 V operating capability. The machine makes the tapping operations easier to large machine bodies or molds with portable bag type equipment and an acrobatic arm to take to take with you wherever you want and with the possibility of connecting to surfaces with bolts or external accessories.

Thanks to their spinning heads they have horizontal and vertical tapping properties. By using this feature in our RAGTAP models, which have the piston hardness adjustment feature, you can adjust the hardness and softness of the Acrobatic arm to your wish.

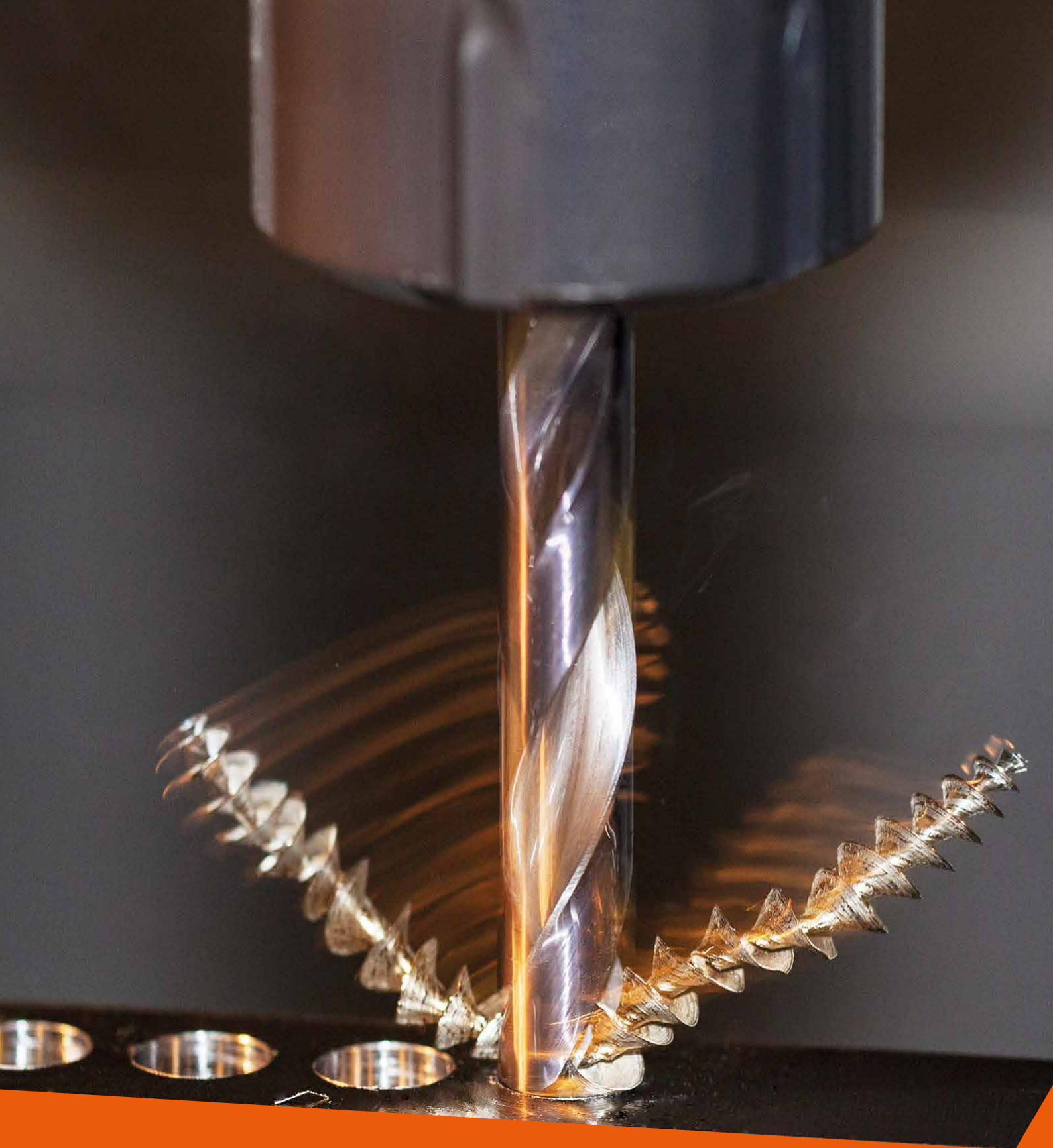
Thanks to the safe tap holders you will use with RAGTAP 16SP, 24SP, 36SP Servo Tapping Machines, you can find a solution to the problem of tap breaking problem and at the maximum rpm possible, you can get maximum efficiency from your operations at minimum time.



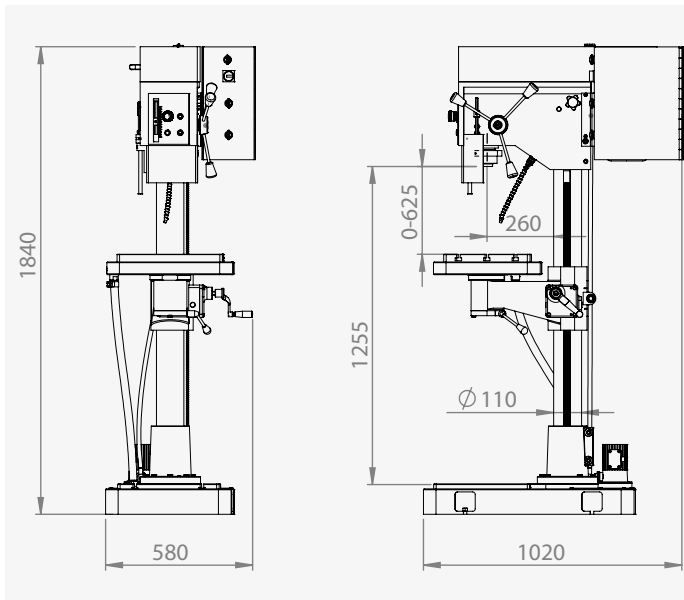
**M48, M60  
AVAILABLE  
UPON  
REQUEST**







**DRILING MACHINES**

**RD30****Drilling Machine****PRODUCT DESCRIPTION**

- Stable design and construction
- Wide range of spindle speeds suitable for most application
- Powerful main motor with dual speed
- Hardened and ground spindle
- Adjustable drilling depth stop
- Automatic return switch for easy tapping
- Coolant system
- Working table moving up and down



TECHNICAL SPECIFICATION	RD30
Drilling Capacity	St60 Steel: 30mm
Drilling Capacity	HB200 Cast Iron: 40mm
Tapping Capacity	M20
Spindle Taper	MK3
Feed	Manual
Spindle Speeds	80-140-250-400-700 rpm
Spindle Speeds	160-280-500-800-1400 rpm
Spindle Travel	120 mm
Spindle to Column	260 mm
Spindle to Table	165-625 mm
Table Surface	420x340 mm
Base Surface	400x375 mm
Column Diameter	110 mm
Main Motor Power	0,75/1,1 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	500x1020x 1820 mm
Weight	400 kg

Reverse Switch for Tapping



Transmission - Step Pulley



Coolant Pump

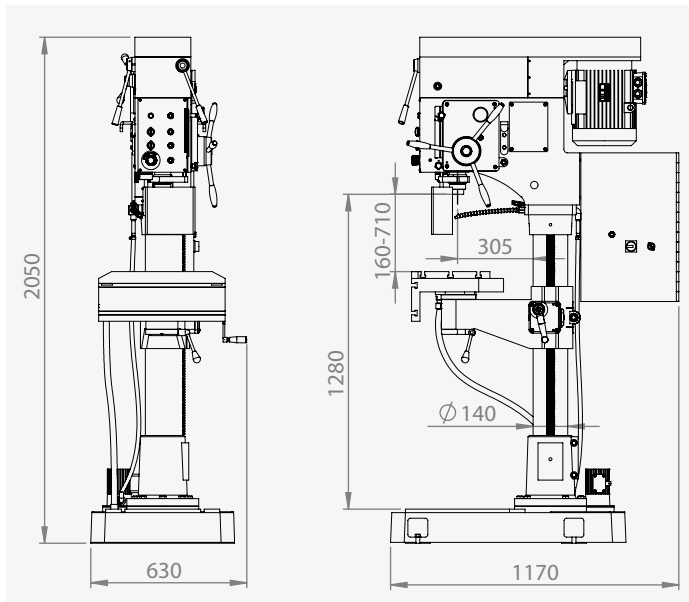


T Slots on Base



## RD35 ES

### Drilling Machine with Gearbox



### PRODUCT DESCRIPTION

- Robust design, quality manufacturing
- Hardened and ground gearbox
- Lubrication of the gearbox
- Wide range of speeds suitable for most applications
- Electromagnetic power feed with auto-stop
- Automatic stop for adjustable drilling depth
- Tapping cycle with auto-reverse.
- Coolant system
- Working table moving up and down



TECNICAL SPECIFICATION	RD35 ES
Drilling Capacity	St60 Steel: 35 mm
Drilling Capacity	HB200 Cast Iron: 45 mm
Tapping Capacity	M30
Spindle Taper	MK4
Feed (with electromagnetic clutch)	0,1-0,2-0,3 mm/rev
Spindle Speeds	56-560 rpm / 180-1800 rpm
Spindle Travel	160 mm
Spindle to Column	305 mm
Spindle to Table	160-710 mm
Table Surface	Horizontal Face: 316x400 mm
Table Surface	Vertical Face: 200x510 mm
Base Surface	420x460 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	580x1050x2040 mm
Weight	640 kg

Transmission - Gerabox



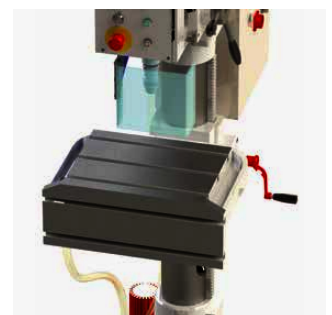
Electromagnetic clutch

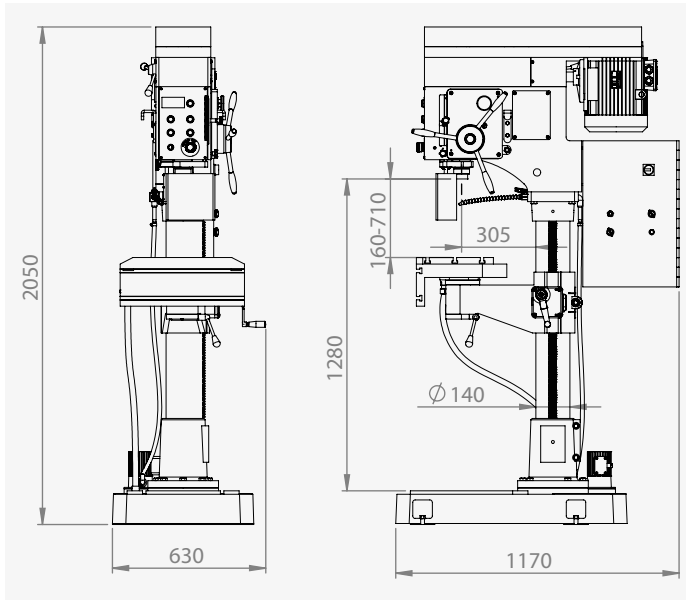


Coolant Pump



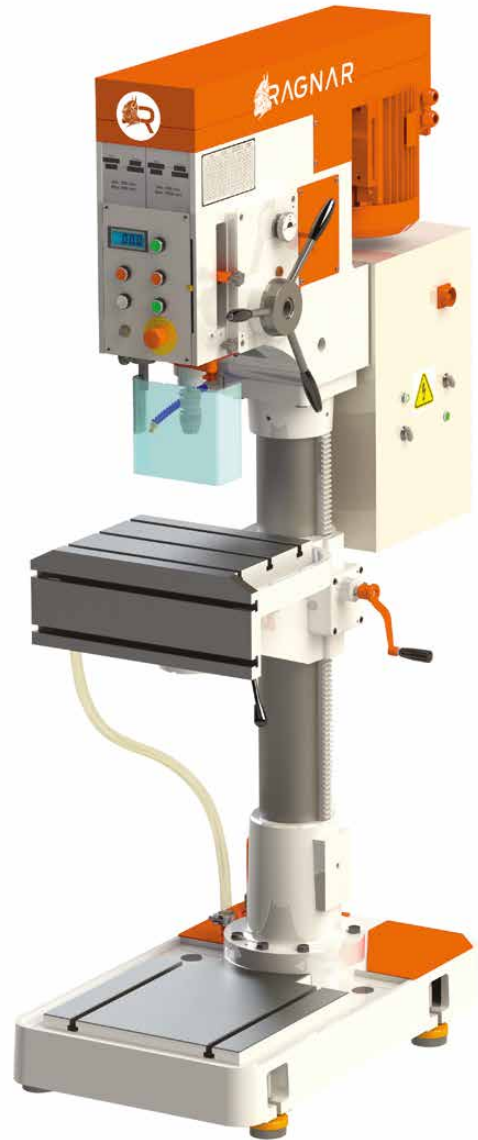
Vertical &amp; horizontal for working table



**RD30 EH****Drilling Machine with Variable Speed****PRODUCT DESCRIPTION**

- Robust design, quality manufacturing
- High spindle speed with electronic control
- Power feed with electro magnetic clutch
- Wide range of step less speeds suitable for most applications
- Limit switch for adjustable drilling depth
- Coolant system
- Working table moving up and down

TECNICAL SPECIFICATION	RD30 EH
Drilling Capacity	St60 Steel: 30 mm
Drilling Capacity	HB200 Cast Iron: 40 mm
Tapping Capacity	M20
Spindle Taper	MK4
Feed (with electromagnetic clutch)	0,075-0,15-0,225 mm/rev
Spindle Speeds - slow range	250-800 rpm
Spindle Speeds - fast range	900-2500 rpm
Spindle Travel	140 mm
Spindle to Column	305 mm
Spindle to Table	160-710 mm
Table surface	Horizontal Face: 316x400 mm
Table surface	Vertical Face: 200x510 mm
Base Surface	420x460 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	580x1050x2040 mm
Weight	600 kg



Variable speed with inverter



Electromagnetic clutch



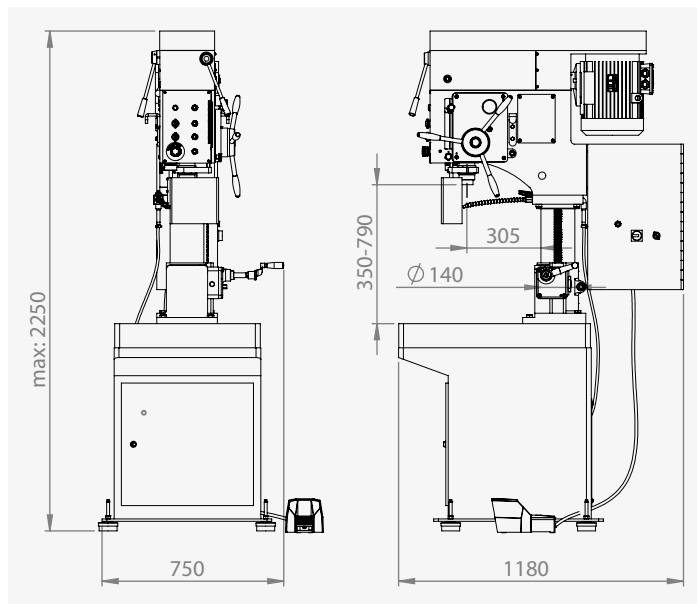
Coolant Pump



Flow drilling applications

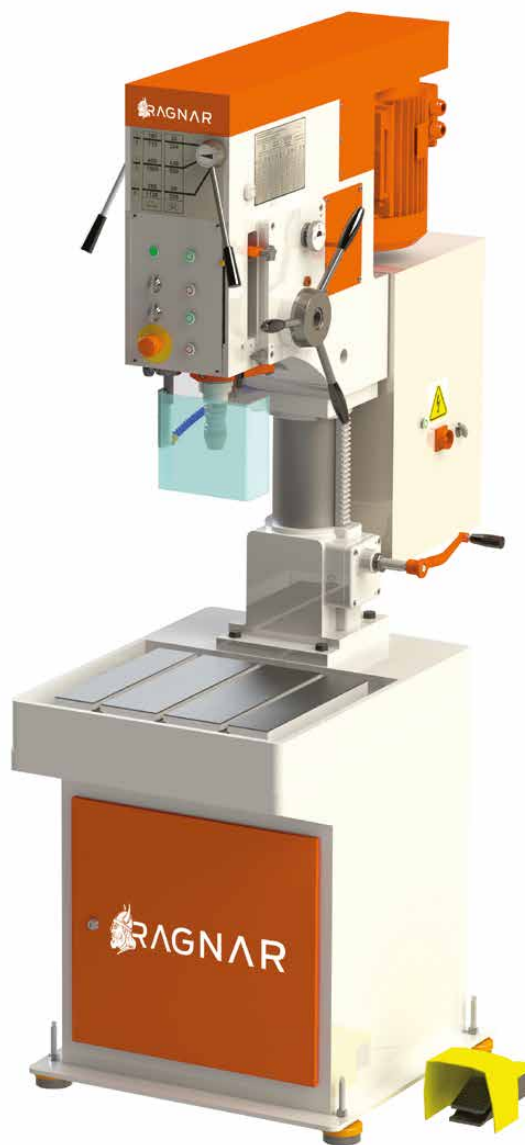
## RDF35 EF

### Drilling Machine with Gearbox



#### PRODUCT DESCRIPTION

- Robust design, quality manufacturing
- Hardened and ground gearbox
- Lubrication of gearbox
- Wide range of speeds suitable for most applications
- Electromagnetic power feed with auto-stop
- Automatic stop for adjustable drilling depth
- Tapping cycle with auto-reverse.
- Coolant system
- Fixed Working table
- Moving head
- Foot Switch



TECNICAL SPECIFICATION	RDF35 EF
Drilling Capacity	St60 Steel: 35 mm
Drilling Capacity	HB200 Cast Iron: 45 mm
Tapping Capacity	M30
Spindle Taper	MK4
Feed (with electromagnetic clutch)	0,1-0,2-0,3 mm/rev
Spindle Speeds	56-560 rpm
Spindle Speeds	180-1800 rpm
Spindle Travel	160 mm
Spindle to Column	305 mm
Spindle to Table	350-790 mm
Table Surface	470x400 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	705x1110x2250 mm
Weight	600 kg

Transmission - Gerabox



Electromagnetic clutch



Coolant Pump

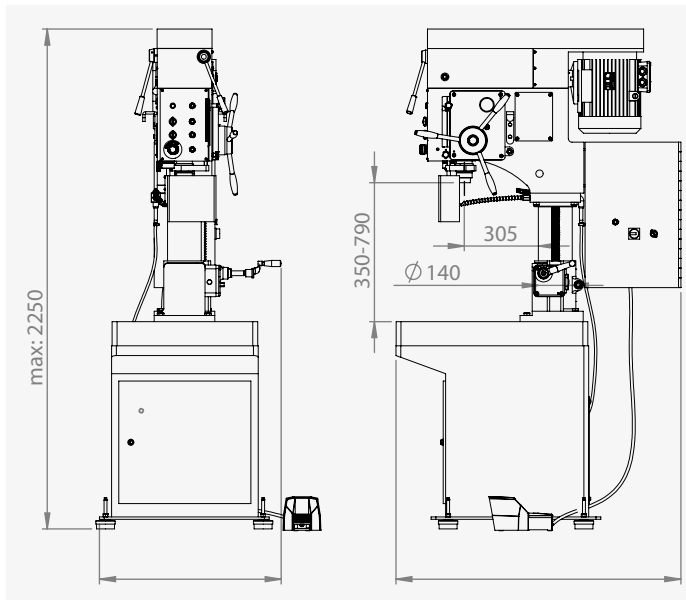


Wide working table can hold heavy work pieces



## RDF30 EH

### Drilling Machine with Variable Speed



#### PRODUCT DESCRIPTION

- Robust design, quality manufacturing
- Hardened and ground gearbox
- Lubrication of gearbox
- Wide range of speeds suitable for most applications
- Electromagnetic power feed with auto-stop
- Automatic stop for adjustable drilling depth
- Tapping cycle with auto-reverse.
- Coolant system
- Fixed Working table
- Moving head
- Foot Switch



TECNICAL SPECIFICATION	RDF30 EH
Drilling Capacity	St60 Steel: 30 mm
Drilling Capacity	HB200 Cast Iron: 40 mm
Tapping Capacity	M20
Spindle Taper	MK4
Feed (with electromagnetic clutch)	0,075-0,15-0,225 mm/rev
Spindle Speeds - slow range	250-800 rpm
Spindle Speeds - fast range	900-2500 rpm
Spindle Travel	140 mm
Spindle to Column	305
Spindle to Table	Min 350 – max 790
Table dimesions	470x400 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	750x1180x2250 mm
Weight	580 kg

Variable speed with inverter



Electromagnetic clutch



Coolant Pump

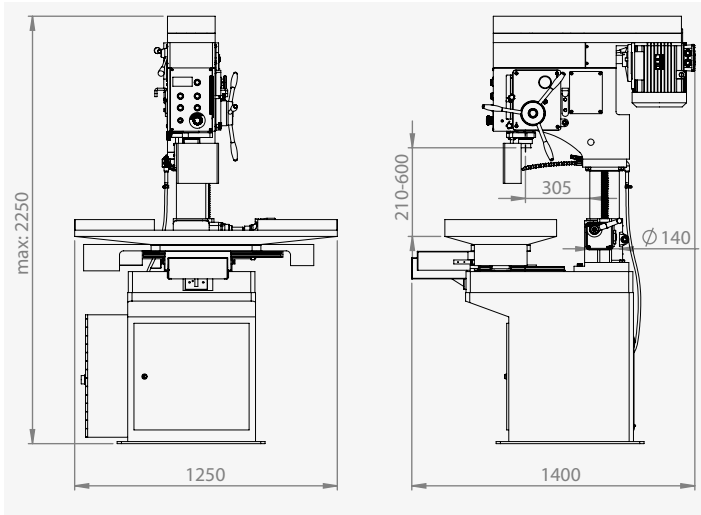


Flow drilling applications



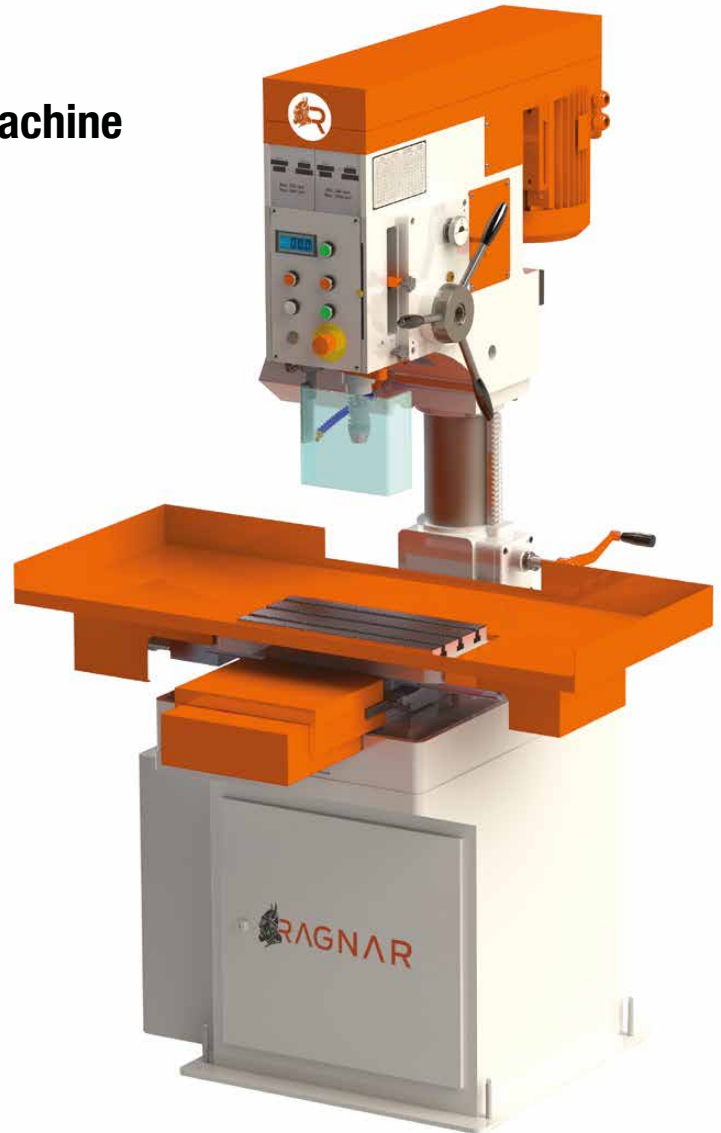
## // RDF30 NC

### Servo Controlled Automatic Drilling Machine



#### // PRODUCT DESCRIPTION

- Robust design, quality manufacturing
- High spindle speed with electronic control
- Wide range of step less speeds suitable for most application
- Electromagnetic power feed with auto-stop
- Automatic stop for adjustable drilling depth
- Easy programming and program storage
- High speed and accurate positioning with servo motors
- Travelling axes are built on precision linear guide ways
- Coolant system



TECNICAL SPECIFICATION	RDF30 NC
Drilling Capacity	St60 Steel: 30 mm
Drilling Capacity	HB200 Cast Iron: 40 mm
Tapping Capacity	M20
Spindle Taper	MK4
Feed (with electromagnetic clutch)	0,075-0,15-0,225 mm/rev
Spindle Speeds	250-800 rpm
Spindle Speeds	900-2500 rpm
Spindle Travel	140 mm
Spindle to Column	305 mm
Spindle to Table	210-600 mm
Table surface	440x200 mm
Table Travel	X axis: 350 mm
Table Travel	Y axis: 240 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
X Axis Motor Power	0,4 KW, 1,3 Nm
Y Axis Motor Power	0,4 KW, 1,3 Nm
Rapid Feed Speed	10 m/min
Coolant Pump Power	0,09 KW
Overall Dimensions	1400x1280x2250 mm
Weight	600 kg

Servo controlled working table



Touch screen



Coolant Pump

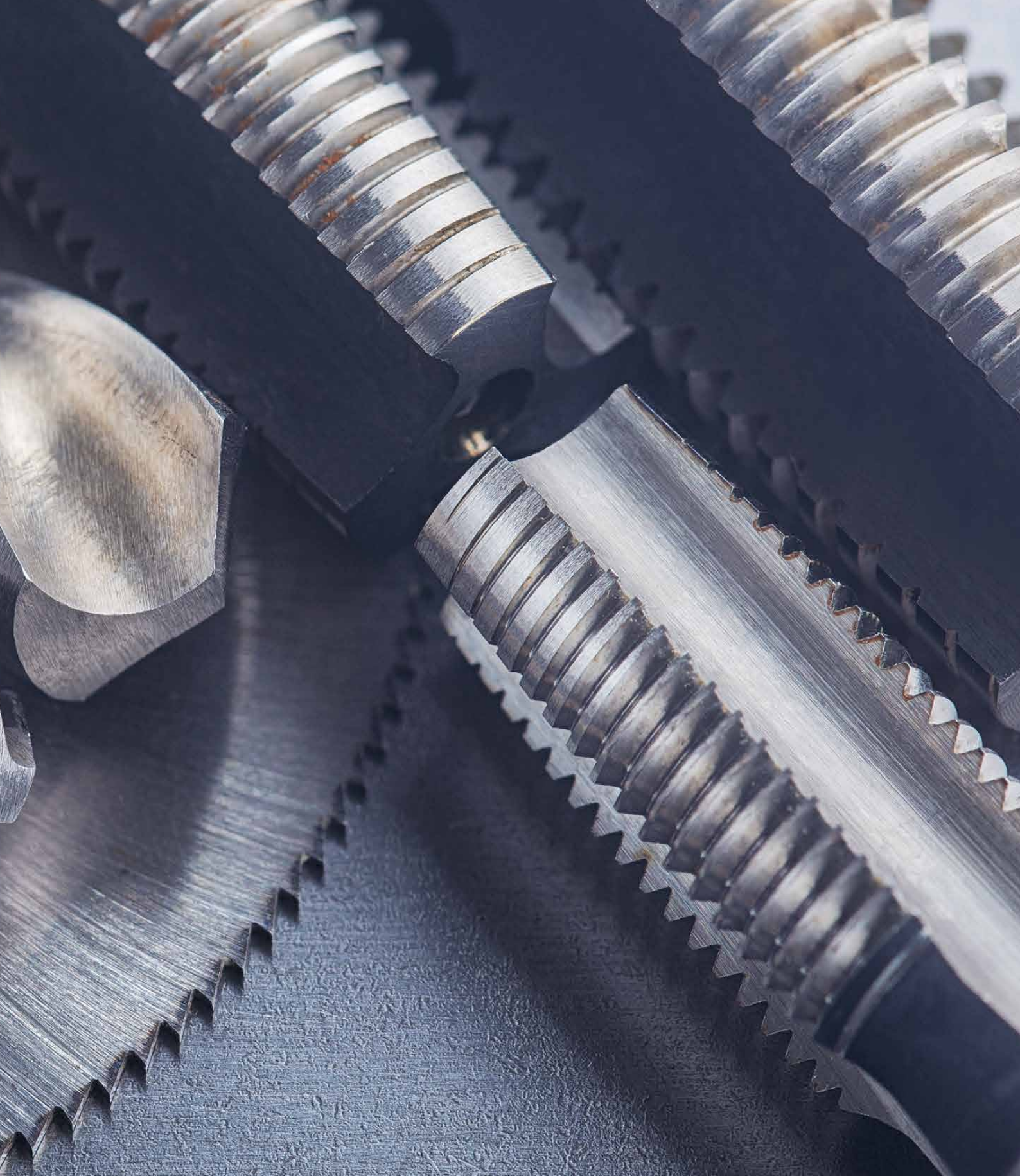


Flow drilling applications





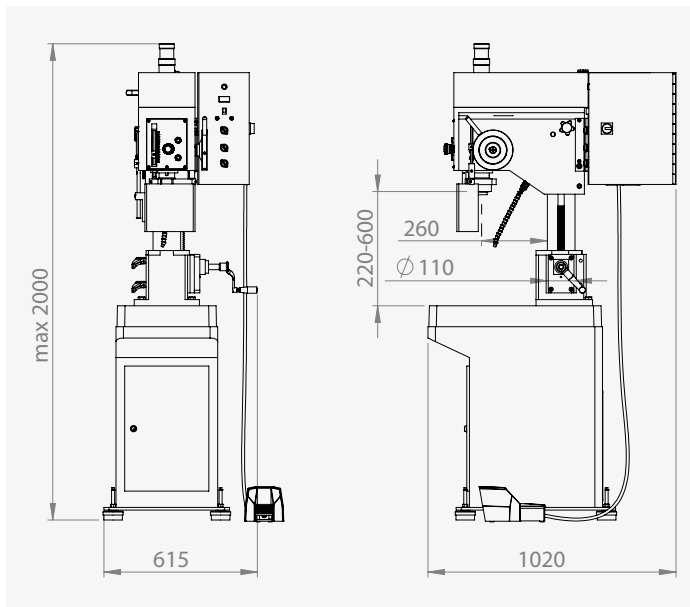




# **TAPPING & DRILING MACHINES**



## RTD23 Tapping Machine



TECNICAL SPECIFICATION	RTD23
Tapping capacity	St60 steel: M3-M20
Tapping capacity	Brass: M30x1,5
Drilling capacity	28 mm
Spindle taper	MK3
Feed	Lead screw pitch
Spindle speed	120-200-350-580-1000 rpm
Spindel travel for drilling	120 mm
Spindle travel for tapping	90 mm
Spindle - column distance	260 mm
Spindle - table distance	220-600 mm
Table surface	390x420 mm
Column diameter	110 mm
Main motor power	1,1 KW
Coolant motor power	0,09 KW
Overall dimensions	500x1020x1920 mm
Weight	335 kg

Lead screw feed



Torque adjustment for preventing tool breakage



Coolant Pump

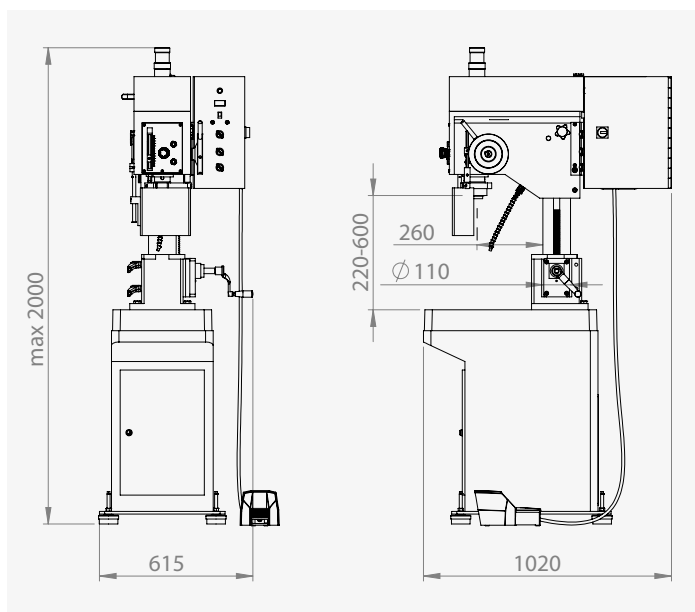


Transmission - Step Pulley



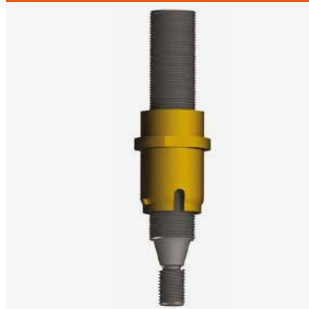
## RTD 23 i

### Tapping Machine (with inverter)



TECNICAL SPECIFICATION	RTD23 i
Tapping capacity	St60 steel: M3-M20
Tapping capacity	Brass: M30x1,5
Drilling capacity	28 mm
Spindle taper	MK3
Feed	Lead screw pitch
Spindle speed	120-200-350-580-1000 rpm
Spindel travel for drilling	120 mm
Spindle travel for tapping	90 mm
Spindle - column distance	260 mm
Spindle - table distance	220-600 mm
Table surface	390x420 mm
Column diameter	110 mm
Main motor power	1,1 KW
Coolant motor power	0,09 KW
Overall dimensions	500x1020x1920 mm
Weight	335 kg

Lead screw feed



Torque adjustment for preventing tool breakage



Coolant Pump

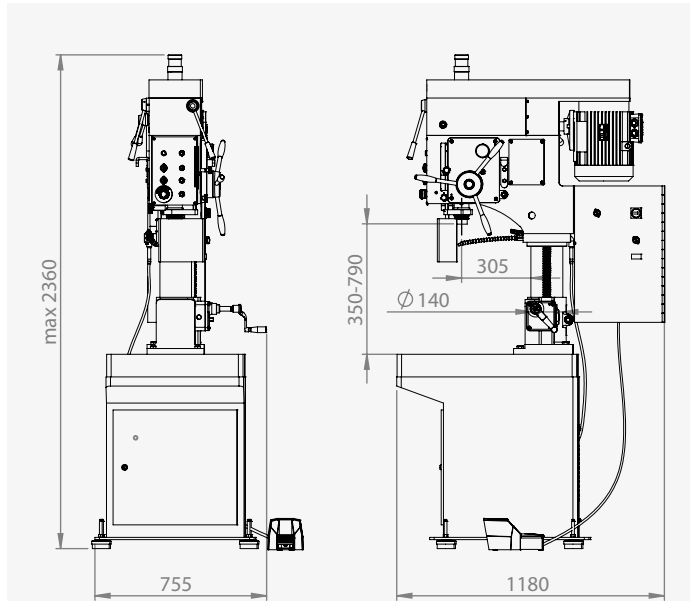


Transmission - Step Pulley



## RTD35 ES

### Drilling and Tapping Machine with Gearbox



#### PRODUCT DESCRIPTION

- Robust design, quality manufacturing
- Electromagnetic power feed with auto-stop
- Tapping function with lead screw for pitch controlled feed
- Ground and hardened gears in gearbox
- Wide range of speeds suitable for most applications
- Lubrication of gearbox
- Extra Large fixed table and foot switch
- Coolant system is equipped



TECNICAL SPECIFICATION	RTD35 ES
Drilling Capacity	St60 Steel: 35 mm
Drilling Capacity	HB200 Cast Iron: 45 mm
Feed (with electromagnetic clutch)	0,1-0,2-0,3 mm/rev
Tapping Capacity	St60 Steel: M3-M30
Brass:	M50
Feed	Lead screw pitch
Spindle Taper	MK4
Spindle Speeds	56-560 rpm
Spindle Speeds	180-1800 rpm
Spindle Travel (drilling)	160 mm
Spindle Travel (tapping)	90 mm
Spindle to Column	305 mm
Spindle to Table	350-790 mm
Table Surface	470x400 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
Coolant Pump Power	0,09 KW
Overall Dimensions	705x1110x2250 mm
Weight	600 kg

Lead screw feed



Torque adjustment for preventing tool breakage



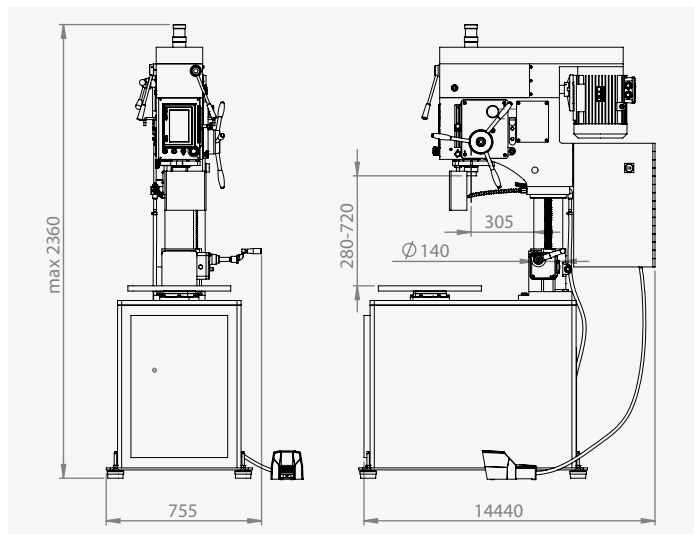
Coolant Pump



Electromagnetic clutch

## RTD35 RT

### Drilling and Tapping Machine with Rotary Table



#### PRODUCT DESCRIPTION

- Ground and hardened gearbox
- Electromagnetic power feed with auto-stop
- Tapping function with lead screw for pitch controlled feeds
- Work table is equipped with servo motor and minimum backlash reduction gear
- Programmable and excellent positioning accuracy and reliability of the rotary table
- High precision
- Lubrication of gearbox
- Wide range of speeds suitable for the most applications

TECHNICAL SPECIFICATION	RTD35 RT
Drilling Capacity	ST60 Steel: 35 mm
Drilling Capacity	HB 200 Cast Iron: 45 mm
Tapping Capacity	ST60 Steel: M30
Tapping Capacity	Brass: M50
Spindle Stroke	For Drilling: 160 mm
Spindle Stroke	For Tapping: 90 mm
Spindle - Table Distance	Maximum: 790 mm
Spindle - Table Distance	Minimum: 350 mm
Spindle Taper	MK4
Spindle Axis - Column	305 mm
Spindle Speeds	Slow Range: 56-560 rpm
Spindle Speeds	Fast Range: 180-1800 rpm
# of Spindle Speeds	12
Spindle Rotation Direction	cw and ccw
Power Feed Speeds	0,1 - 0,2 - 0,3 mm/rev
Drilling Depth Limit	with switch
Column Diameter	140 mm
Rotary Table Dimension	Ø500 mm
Main Motor Power	2,2 KW / 1000 rpm
Overall Dimensions	705x1320x2250 mm
Machine Weight	650 KG



Lead screw feed



Transmission - Gearbox



Coolant Pump

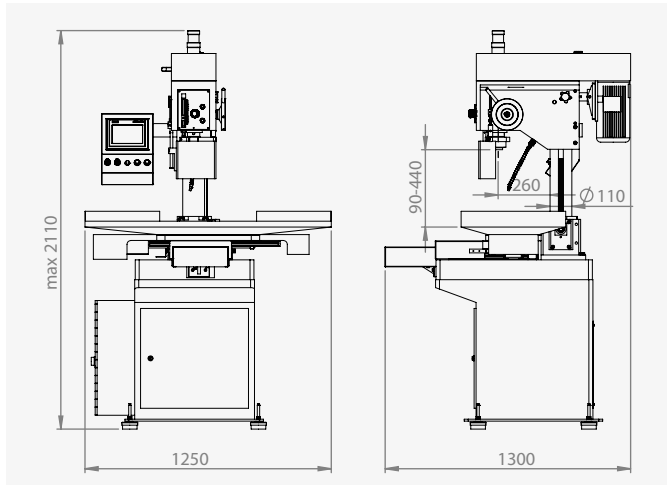


Electromagnetic clutch



## RTD 23 NC

### Servo Controlled Automatic Tapping Machine



#### PRODUCT DESCRIPTION

- Highly efficient, multi-hole programmable tapping machine for mass production
- Wide range of speeds suitable for most applications
- Lead screw feed of spindle for pitch controlled feeds
- Prevents tool breakage with torque adjustment and overload switch
- Limit switch for adjustable tapping depth
- Precision guide ways and ball screws for controlled axes
- High speed and accurate positioning with servo motors
- Easy programming and program storage
- Coolant system



TECNICAL SPECIFICATION	RTD23 NC
Thread Capacity	St60 steel: M3-M20
Thread Capacity	Brass: M30x1,5
Drilling Capacity	28 mm
Spindle Taper	MK3
Feed	Lead screw pitch
Spindle Speed	120-200-350-580-1000 rpm
Spindle Travel (tapping)	90 mm
Spindle Travel (drilling)	120 mm
Spindle to Column	90-460 mm
Spindle to Table	260 mm
Table Surface	440x200 mm
Table Travel	X axis: 350 mm
Table Travel	Y axis: 240 mm
Column Diameter	110 mm
Main Motor Power	1,1 KW
X Axis Motor Power	0,4 KW 1,3 Nm
Y Axis Motor Power	0,4 KW 1,3 Nm
Rapid Feed Speed	10 m/min
Coolant Pump Power	0,09 KW
Overall Dimensions	1330x1120x2010 mm
Weight	400 kg

Servo controlled working table



Touch screen



Lead screw feed

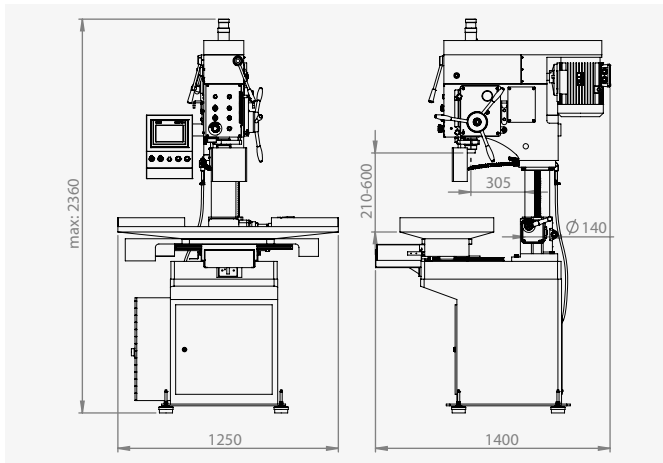


Torque adjustment for preventing tool breakage



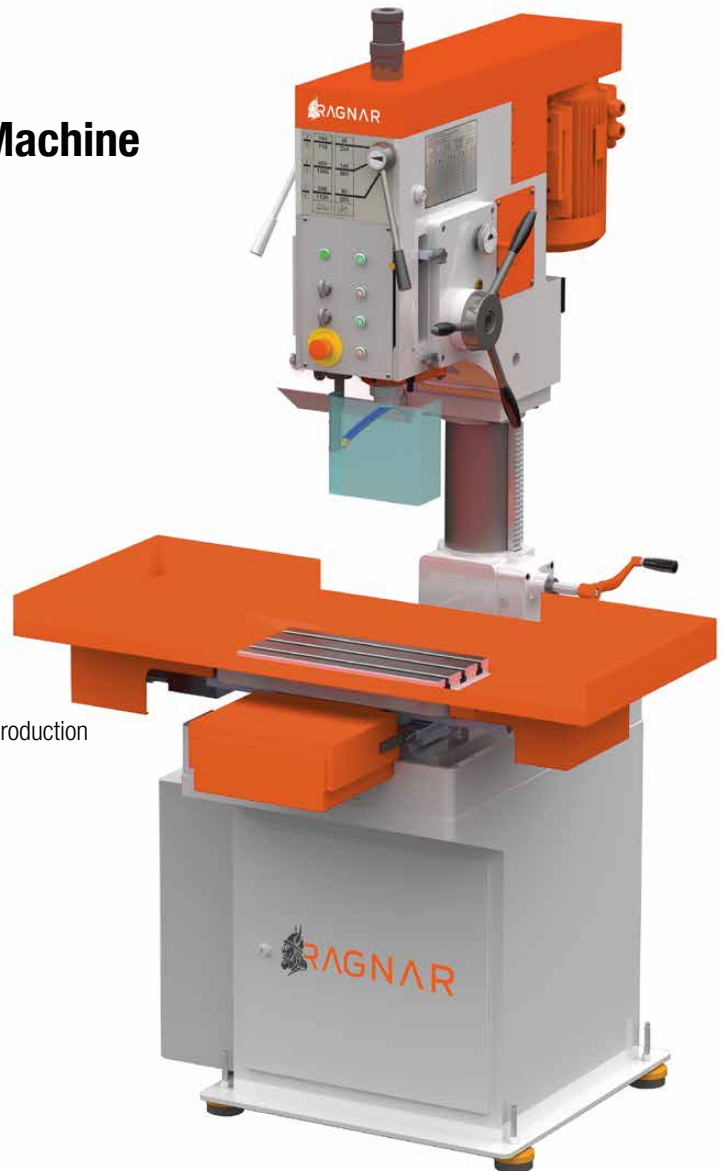
## RTD 35 NC

### Servo Controlled Automatic Tapping Machine



#### PRODUCT DESCRIPTION

- Highly efficient, multi-hole programmable tapping machine for mass production
- Robust design, quality manufacturing
- High spindle speed with electronic control
- Wide range of step less speeds suitable for most application
- Electromagnetic power feed with auto-stop
- Automatic stop for adjustable drilling depth
- Easy programming and program storage
- High speed and accurate positioning with servo motors
- Travelling axes are built on precision linear guide ways
- Coolant system



TECNICAL SPECIFICATION	RTD35 NC
Drilling Capacity	St60 Steel: 35 mm
Drilling Capacity	HB200 Cast Iron: 45 mm
Feed (with electromagnetic clutch)	0,1-0,2-0,3 mm/rev
Tapping Capacity	St60 Steel: M3-M30
Tapping Capacity	Brass: M50
Feed	Lead screw pitch
Spindle Speeds	56-560 rpm / 180-1800 rpm
Spindle Travel	140 mm
Spindle to Column	305 mm
Spindle to Table	210-600 mm
Table Surface	470x400 mm
Table Travel	X axis: 350 mm
Table Travel	Y axis: 240 mm
Column Diameter	140 mm
Main Motor Power	2,2 KW
X Axis Motor Power	0,4 KW, 1,3 Nm
Y Axis Motor Power	0,4 KW, 1,3 Nm
Rapid Feed Speed	10 m/min
Coolant Pump Power	0,09 KW
Overall Dimensions	1400x1280x2250 mm
Weight	600 kg

Servo controlled working table



Touch screen



Lead screw feed



Electromagnetic clutch

# OPTIONS

MULTISPINDLE HEADS / T SERIES



MULTISPINDLE HEADS / VH SERIES



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FOLDING



CUTTING



TAPPING



LOCKFORMER



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