



**CMA<sup>®</sup>**  
MACHINE TOOLS



**FLEXIBLE**  
TAPPING SOLUTIONS

## **CMA WAS FOUNDED IN 1951 IN ALZIRA, SPAIN**

36 km to the south of Valencia where we are working in a factory with more than 3.000 square meters and have now become one of the world's leading manufacturers of CNC Drilling Machines and Tapping Machines.

Custom made in house, all of our machine tools are built to order and are geared towards increasing efficiency and lowering production costs for our customers.

With 3 Tapping Machine options available, Pneumatic, Electric and Hydraulic, we are confident that we have the right machine for all of your requirements.

Tapping multiple holes, both large or small, has never been easier and with a radial reach of up to 2.2m and a tapping range from M2 – M60. We ensure tapping becomes lightwork for any seasoned engineer.

We are pleased to invite you to consider our products which you may find personalised value added solutions to your projects.



# PNEUMATIC TAPPING MACHINES

## RN Models

### STANDARD CONFIGURATION

- Ingersol Rand Pneumatic motor.
- Adjustable arm.
- Multi-position head 0°- 360° (RNM Models).
- Air set: Regulator, manometer, filter and lubricant.
- Quick change chuck for Bilz system collets.
- Tapping lubrication spray system.
- Gearbox with two speed ranges.
- Fixed mount.
- Air flow: 650 l / min.



### OPTIONAL EQUIPMENT

- M2-M22 quick change collets.
- Drill chuck adaptors.
- Magnetic base mount 1B.
- C-clamp mount.
- Steel Worktable 800×600mm.
- Cast-iron Worktable 800×600mm with 18mm T-Form canals.
- Mechanical depth stop.
- Set of Castors for Worktable.

Code	Model	RPM	Torque in Nm	Chuck size	Radius	Capacity
FIXED HEAD						
510041	RN12.400	400	31	1/Ø19	1800mm	M2-M12
510061	RN12.600	600	19	1/Ø19	1800mm	M3-M10
510081	RN12.800	800	14	1/Ø19	1800mm	M3-M10
510011	RN12.1000	1000	10	1/Ø19	1800mm	M3-M8
511041	RNR20.400	400-115	31/85	2/Ø31	1800mm	M3-M22
511061	RNR20.600	600-170	19/67	2/Ø31	1800mm	M3-M20
MULTI-POSITION HEAD						
510141	RNM12.400	400	31	1/Ø19	1800mm	M2-M12
510161	RNM12.600	600	19	1/Ø19	1800mm	M3-M10
510181	RNM12.800	800	14	1/Ø19	1800mm	M3-M10
510111	RNM12.1000	1000	10	1/Ø19	1800mm	M3-M8
511141	RNRM20.400	400-115	31/85	2/Ø31	1800mm	M3-M22
511161	RNRM20.600	600-170	19/67	2/Ø31	1800mm	M3-M20

# ELECTRONIC TAPPING MACHINES

## RER Models

### STANDARD CONFIGURATION

- Electronic motor single-phase type Brushless to 220V.
- Adjustable arm.
- Multiposition head 0°- 360° (mod. RERM).
- Quick change chuck for Bilz system collets.
- Electronic Tapping Speed governor.
- Digital readout.
- Programming from touch screen: down-stop-inversion automatic.
- Tapping lubrication system.
- Gearbox with two speed ranges.
- Fixed mount.

### OPTIONAL EQUIPMENT

- M3-M24 quick change collets.
- Drill chuck adaptors.
- Magnetic base mount 1B.
- C-clamp mount.
- Steel Worktable 800×600mm.
- Cast-iron Worktable 800×600mm with 18mm T-Form canals.
- Set of Castors for Worktable.



Code	Model	RPM	Torque in Nm	Chuck size	Radius	Capacity
FIXED HEAD						
524110	RER24C	140-500	105/38	2/Ø31	1800mm	M3-M24
MULTI-POSITION HEAD						
524111	RERM24C	140-500	105/38	2/Ø31	1800mm	M3-M24

# HYDRAULIC TAPPING MACHINES

## GH 18 Model

### STANDARD CONFIGURATION

- 230V single phase hydraulic equipment mounted into a mobile unit (GH18 only).
- CMA designed Parallel arm.
- CMA Mount for fixing to work table.
- Inverter for infinite adjustment of R.P.M.
- Forward and reverse direction governors.
- Digital R.P.M readout.
- Lubrication spray system.

## GH Models

### STANDARD CONFIGURATION

- 400V 3-phase Hydraulic unit integrated into a mobile unit (GH24-60 only).
- Adjustable arm.
- Multiposition head 0°- 360° (mod. GHRM).
- Quick change chuck for Bilz system collets.
- Speed regulator independent (forward and reverse).
- Tapping lubrication system
- Gearbox with two speed ranges (GHR models).
- Digital readout of RPM.
- Fixed mount.

### OPTIONAL EQUIPMENT

- M3-M60 quick change collets.
- Drill chuck adaptors.
- Magnetic base mount 1B & 2B.
- C-clamp mount (GH18-GH30 models only).
- Cast-iron Worktable 800×600mm with 18mm T-Form canals.
- Set of Castors for Worktable.



Code	Model	RPM	Torque in Nm	Chuck size	Radius	Capacity
FIXED HEAD						
511018	GH18D	420	45	2/Ø31	1800mm	M3-M18
511005	GH24D	500	105	2/Ø31	1800mm	M3-M24
541012	GHR30D	140-500	255/85	2/Ø31	2200mm	M4-M30
552002	GHR45D	110-500	440/10	3/Ø48	2200mm	M4-M45
563013	GHR60D	55-275	1100/220	4/Ø60	2400mm	M5-M60
MULTI-POSITION HEAD						
511019	GHM18D	420	45	2/Ø31	1800mm	M3-M18
511004	GHM24D	500	105	2/Ø31	1800mm	M3-M24
541112	GHRM30D	140-500	255/85	2/Ø31	2200mm	M4-M30
552102	GHRM45D	110-500	440/10	3/Ø48	2200mm	M4-M45
563113	GHRM60D	55-275	1100/220	4/Ø60	2400mm	M5-M60

# HYDRAULIC TAPPING MACHINES

## RH Models

### STANDARD CONFIGURATION

- 400V 3-phase Hydraulic unit.
- Hydraulic unit integrated into a Cast-iron worktable 800x600mm with 18mm T-Form canals.
- Adjustable arm.
- Multi-position head 0°- 360° (RHM models).
- Quick change chuck for Bilz system collets.
- Independent speed regulator (forward and reverse).
- Tapping lubrication system.
- Inverter for adjustment of RPM.
- Digital readout of RPM.
- Fixed mount.
- Touchscreen control:
  - Manual mode.
  - Automatic mode with programmable depth control.
- Gearbox with 2 speed ranges (RHR models).

### OPTIONAL EQUIPMENT

- M3-M60 quick change collets.
- Drill chuck adaptors.
- Magnetic base mount 1B.
- Magnetic base mount 2B.
- Coolant pump and tank.
- C-clamp mount.
- Fixed Lateral Table 600x360 with 18mm T-Form canals.
- Cast-iron worktable 1000x680mm with 18mm T-Form canals.
- Fixed Lateral Table 680x360 with 18mm T-Form canals.
- Set of Castors for Worktable.
- Additional fixed mounts for all models.



Code	Model	RPM	Torque in Nm	Chuck size	Radius	Capacity
FIXED HEAD						
511005	RH24D	500	105	2/Ø31	1800mm	M3-M24
541012	RHR30D	140-500	255/85	2/Ø31	2200mm	M4-M30
552002	RHR45D	110-500	440/10	3/Ø48	2200mm	M4-M45
563013	RHR60D	55-275	1100/220	4/Ø60	2400mm	M5-M60
MULTI-POSITION HEAD						
511004	RHM24D	500	105	2/Ø31	1800mm	M3-M24
541112	RHRM30D	140-500	255/85	2/Ø31	2200mm	M4-M30
552102	RHRM45D	110-500	440/10	3/Ø48	2200mm	M4-M45
563113	RHRM60D	55-275	1100/220	4/Ø60	2400mm	M5-M60



## JIG & FIXTURE DESIGN

Using high-level personnel skills and years of experience, our design team of engineers offer a variety of services to our clients.

With savings on both costs and production times we are able to offer our customers a complete design solution from fixture concept through to manufacturable detail drawings, using our vast knowledge of Jig and Tool design and stress capabilities.

If required CMA UK can arrange for the manufacture of any Jig and Fixture using our manufacturing partners.

Our designers have been involved with the design of numerous lifting tools, holding fixtures and assembly jigs.

We believe in efficiency, accuracy, cost control and most importantly successful communication with our customers to achieve the perfect design for our customers.



Contact us for more details about our  
Jig & Fixture Design

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