

SPECIAL AND STANDARD MULTI SPINDLE HEADS

mpa

YOUR PARTNER IN PRECISION



TOOLS TO SHAPE THE WORLD



- For 30 years MPA has been constructing tools that help shape our world, from smallest and most sophisticated chronographic mechanism to the largest gear for power turbines.

Today MPA means:

- long experience and thorough technical knowledge in the production of special and standard multi spindle heads
- reliable partner who can work alongside its customers
- top quality in jobs that require the highest degree of precision.



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MPA, DESIGN IN ACTION



MPA offers a global service:

- preferential relationship with its customers
- special projects that guarantee optimum production
- highly qualified human resources
- constantly updated design, research capacity and professional passion
- high reliability at all time.



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MPA PRODUCTS: TOP QUALITY, HIGHEST PRECISION

These are some of the solutions applied on the products:

- external structure in heat-treated light alloy
- shafts supported by pairs and triads of preloaded oblique contact precision bearings
- hardened and grinded gears also on the involute
- seals with a low coefficient of friction with protection labyrinths.

SPECIAL SERIES

STANDARD SERIES



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HEADS WITH ADJUSTABLE DISTANCE BETWEEN THE AXIS

STANDARD SERIES



- The heads with adjustable distance between the axis with 1, 2, 3 and 4 spindles fulfil drilling, tapping and milling requirements.
- External structure in heat-treated aluminium alloy.
- Moving parts made of alloy steel running on roller bearing.



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MODULAR HEADS WITH REPOSITIONABLE DISTANCE BETWEEN THE AXIS

STANDARD SERIES



- The modular heads offer the possibility of obtaining different distances between the axis, simply by replacing the spindle-holder disk.
- They fulfil drilling and tapping requirements.



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HEADS WITH FIXED DISTANCE BETWEEN THE AXIS

SPECIAL SERIES



- The heads with fixed distance between the axis are made to fulfil drilling, tapping, milling and boring requirements.
- Designed and constructed according to the customer's specific work requirements.
- Top customisation.



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ANGLE HEADS AT 90° AND TILTING HEADS

STANDARD SERIES



- Angle heads at 90° that can be positioned on 360° and tilting heads fulfil drilling, tapping and milling requirements.
- External structure in heat-treated aluminium alloy.
- Moving parts made of alloy steel running on roller bearing.



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SPECIAL ANGLE HEADS

SPECIAL SERIES



- The special angle heads fulfil drilling, tapping and milling requirements.
- Designed and constructed according to the customer's specific work requirements.
- Top customisation.



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SPEED SPEEDERS

SPECIAL SERIES

STANDARD SERIES



- The speed speeders respond to the growing demand for a speed increase in mechanical processes.
- The operations that can be carried out are drilling and light milling.
- Speed of up to 20.000 revs.
- Excellent stability, precision, low noise level and life-long lubrication.
- Compactly designed.



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LIVE TOOLS

SPECIAL SERIES



- The live tools to be used on the powered turrets on CNC lathes.
- The operations that can be carried out are drilling, tapping and milling in all angles and dimensions.
- Compact and reliable structure for intensive use.
- Top customisation.



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ACCESSORIES



It is possible to interface each existing work station with the MPA heads, by selecting the most appropriate accessory:

- Accessories for connecting the heads:
interfacing quill clamps
drivers
joints
- Accessories for locking the drilling tools.
- Accessories for locking the tapping tools.



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