



PORTASOLUTIONS®

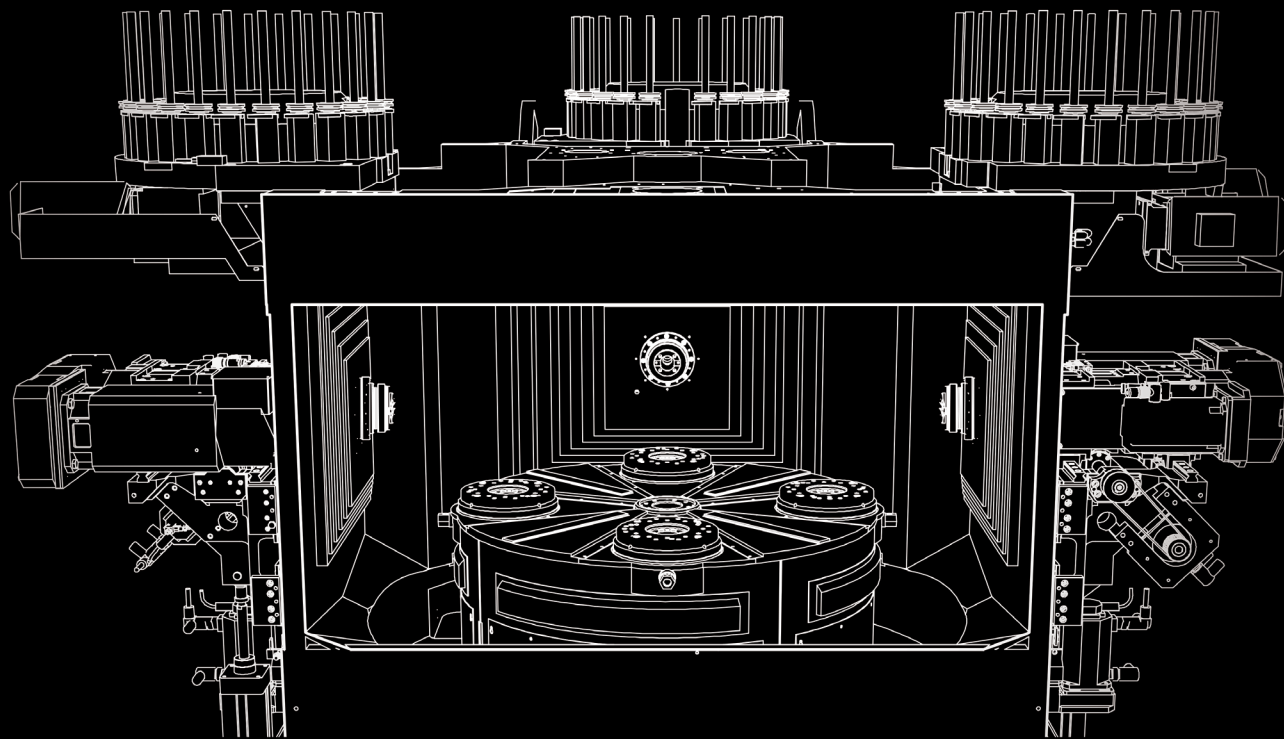




MULTICENTER 3SPINDLES design meets technology

- > **Change production in 15 minutes**
(quick response to your customers)
- > **Perfect for small/medium batches**
(no need of high volume quantity)
- > **Manufacture only what you sell**
(stop producing for stock)
- > **Standard flexible machine**
(3 month delivery)
- > **From 499.000 Euro**
(best price of the category)

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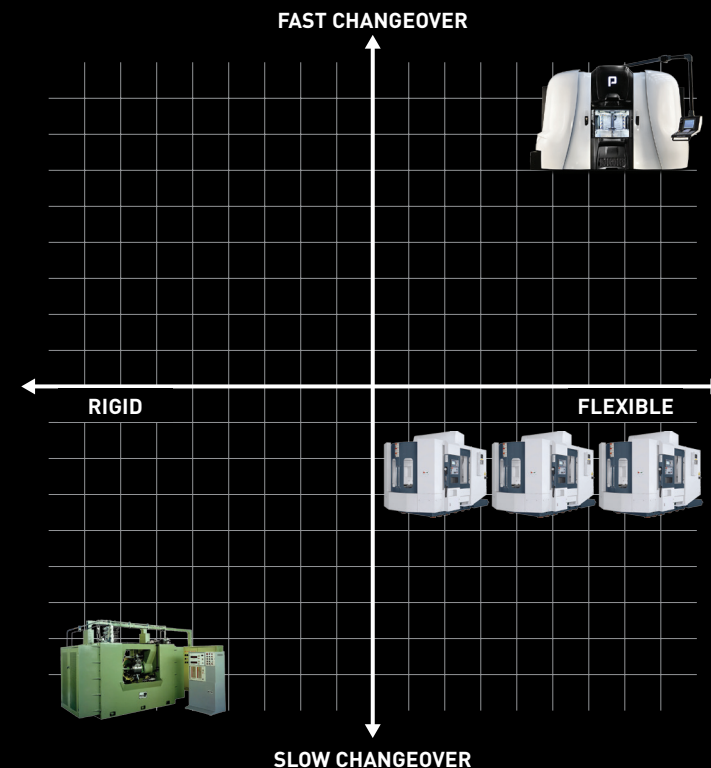
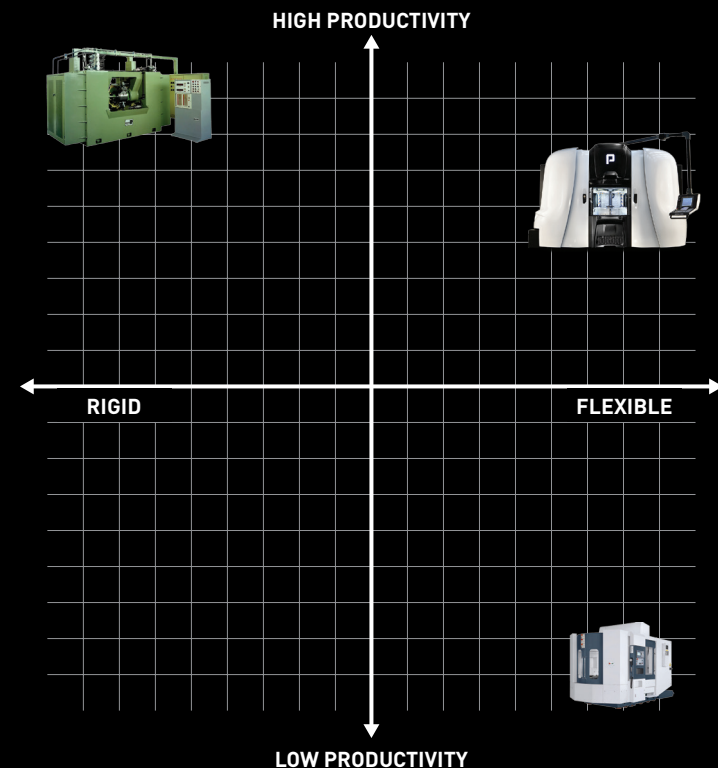


WHY THE MULTICENTER?

Since 2008, everything has changed in the world of production

- > The **MULTICENTER** was designed and built in 2005 as a prototype. Its success took off after great crisis of 2008, because the rules of the market drastically changed. No one wanted to produce for stock anymore, but just produce the sold quantities only.
- > In the industry, there was only two families of machines: transfer machines, very fast for high quantities but with a rigid configuration, and CNC machining centers, very flexible but giving a very low production output.
- > To be competitive today the market requests the combination of flexibility and productivity.

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NEW TECHNOLOGY the experience embraces the future

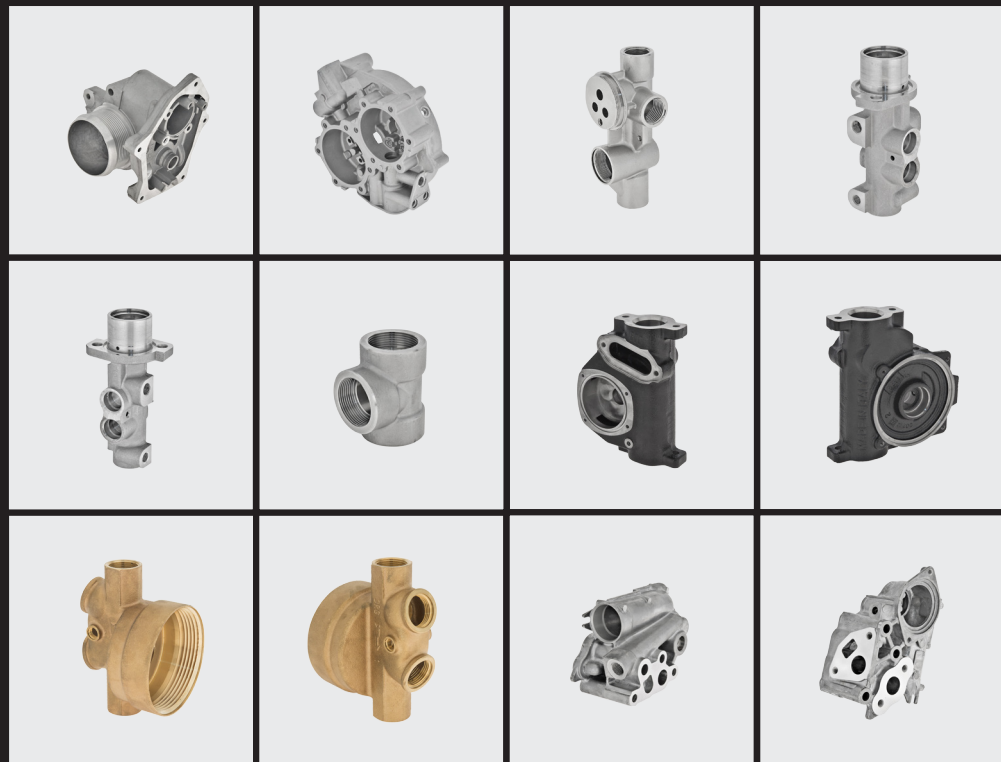
Better than 3 CNC machining centers

- > High output production (3 spindles working) VS need of several CNC machining centers
- > Compact floor space VS more space needed
- > Only one operator or robot needed VS multiple operators or more complex automation
- > Less energy consumption VS high energy consumption
- > Less cost in fixturing (four simple clamps) VS high cost for tombstones fixtures
- > Fast changeover from fixture to fixture
- > Less work in progress – the utmost in Lean Manufacturing

Better than transfer machines

- > Change production in 15 minutes VS hours with transfer machine
- > Can machine any part within 250mm cube VS rigid layout of the transfer machine
- > Standard machine built in series 3 month delivery VS special custom machine 10/12 month delivery
- > Easy to use for operators VS more specialized set-up technicians
- > Perfect for medium/low quantities VS need of high volume quantity
- > From 36 to 120 tools magazine availability VS manual change of the tools by operator

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TOOL CHANGE

tools	from 36 to 120
max tool weight	8 kg
max tool length	250 mm
max tool diameter	80 mm
max tool diameter with free position	120 mm
tool change	1,4 sec
tool holder	HSK63 / ISO40

CONTROL

human machine interface	touch-screen
teleservice	included
programming language	ISO code
cnc	Fanuc / Siemens

SECTORS

Automotive	Aeronautics
Fluid Handling	Military
Petrochemical	Transportation
Durable Goods	

AXES X,Y and Z

axes stroke	250/310/200 mm
speed	30/30/30 m/min
acceleration	6,5/5,5/6,5 m/s ²
4th axis continuous	360°
positioning system	encoder / digital scale

TOOL HOLDER SPINDLES

tool holder	HSK63 / ISO40
spindle speed	6000 / 15000 rpm
max power	up to 25 kw
max torque	100 Nm

PRICE

price starting from	499.000€*
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*EX WORKS price.
For more info and options, contact us.

WE DO NOT SELL MACHINE TOOLS

- > We are specialized on engineering machining process. We do not concentrate to sell you a machine tool like everybody else, since every single project is an engineered process, a turnkey solution.
- > You buy from us the performance in terms of cycle time, fast changeover, energy consumption, floor space and all the other variables which determinate your best cost per part.
- > The MULTICENTER embraces both of them, by creating a new philosophy which is well described in the book "FLEXIBLE PRODUCTION".

A free copy of this book can be requested by emailing to sales@porta-solutions.com

The information which are present in the catalogue are approximate and are not binding.
Porta Solutions Spa reserves the right of modifying them at any time without prior notice.

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www.flexible-production.com
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