



THE ALTERNATIVE TO TWIN-SPINDLE



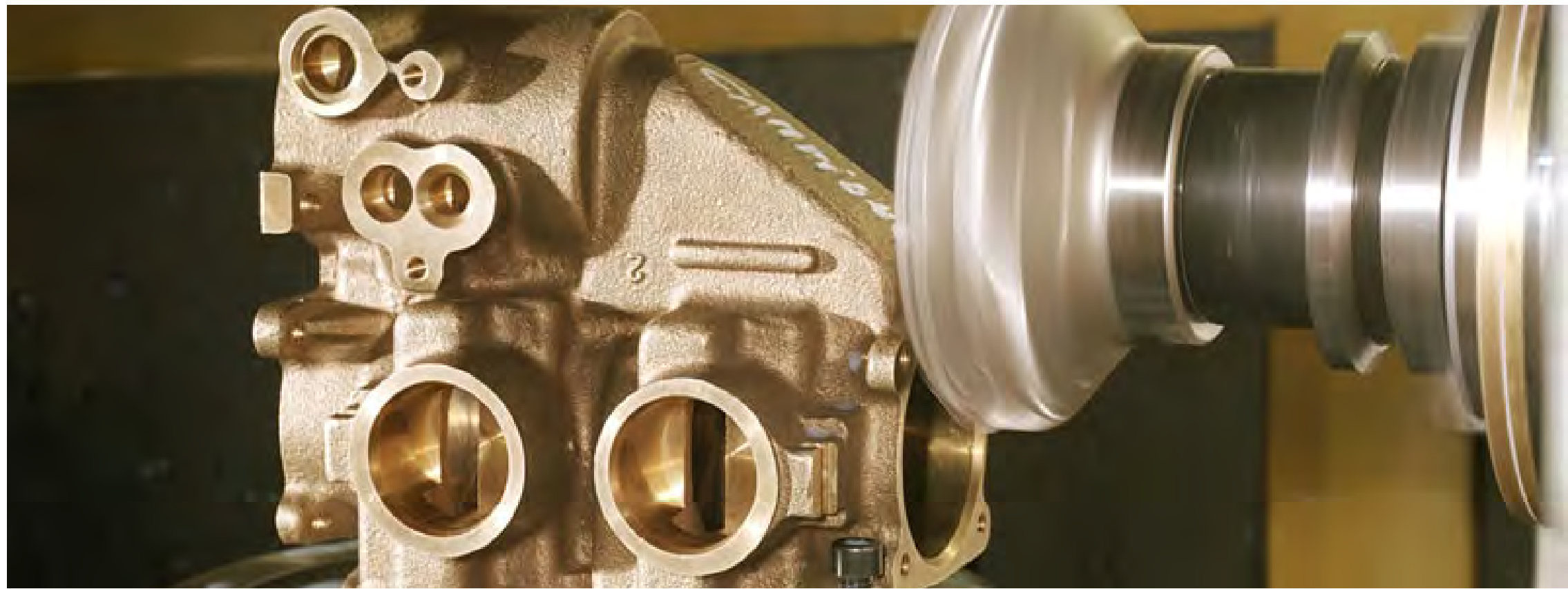


## THE ALTERNATIVE TO TWIN-SPINDLE

The ideal solution for companies which need to keep up with the market evolution. Companies which have to produce medium-small lot sizes, with frequent production changes but also those who have to produce high volume can choose “Multicenter” machine that represents a real alternative to twin-spindle machines.

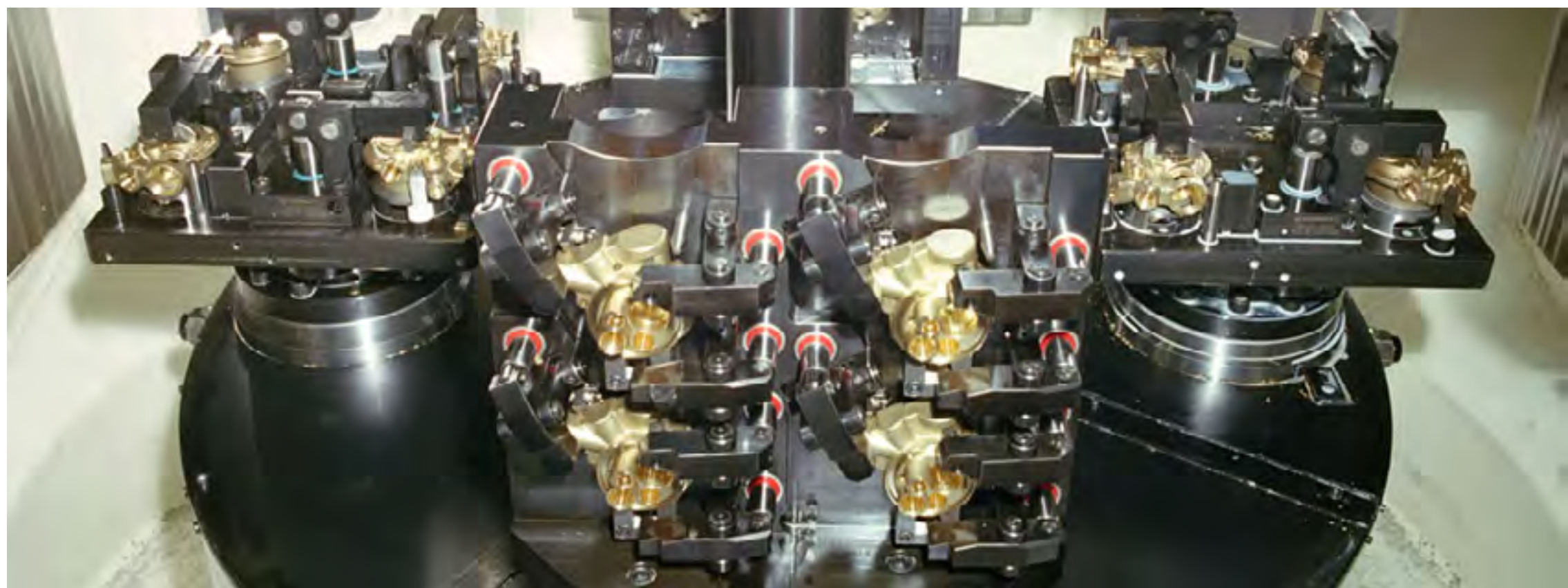
Multicenter guarantees not only a considerable savings in all its segments, but it also represents a wise investment in medium to long term.

In comparison to the standard twin-spindle machining centers, “Multicenter” machine can be supplied in 3 and 5-spindle versions. These machines enable a concrete optimization of workforce resources, automation, tooling/fixturing costs, floor space required and part re-clamping errors.



## 3-SPINDLE MULTICENTER ISO 40

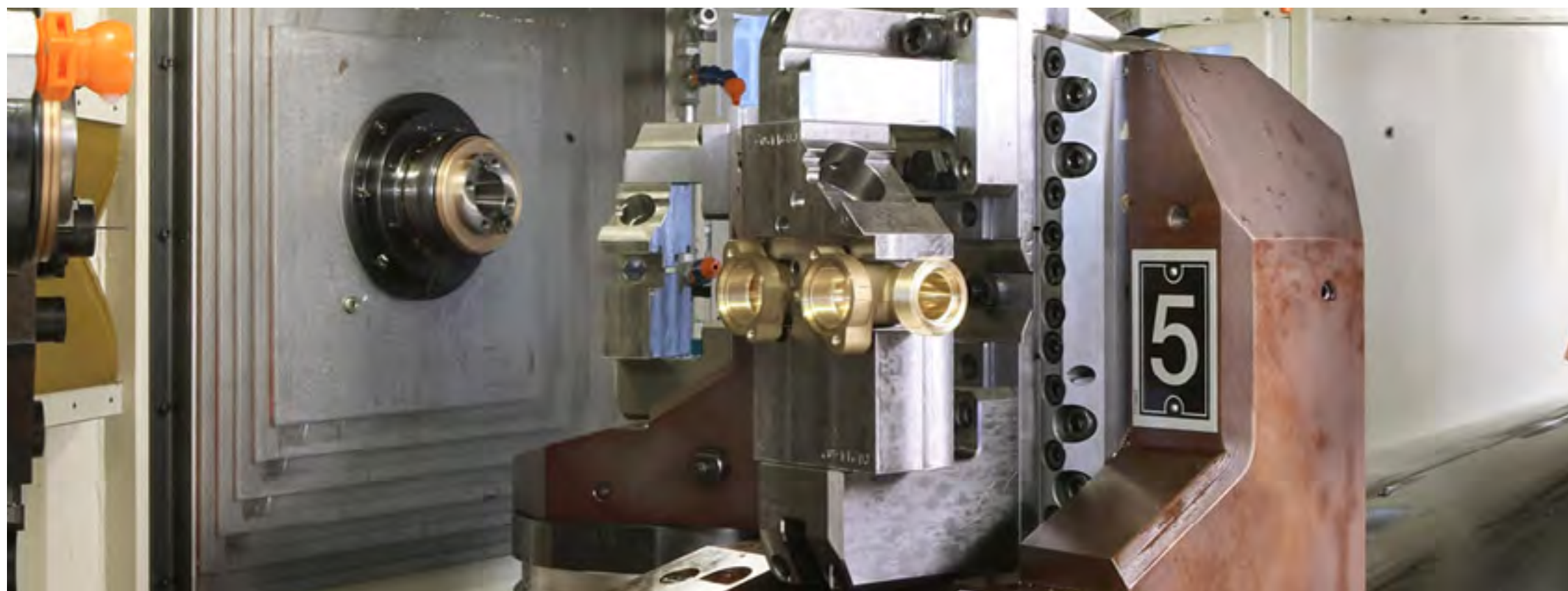
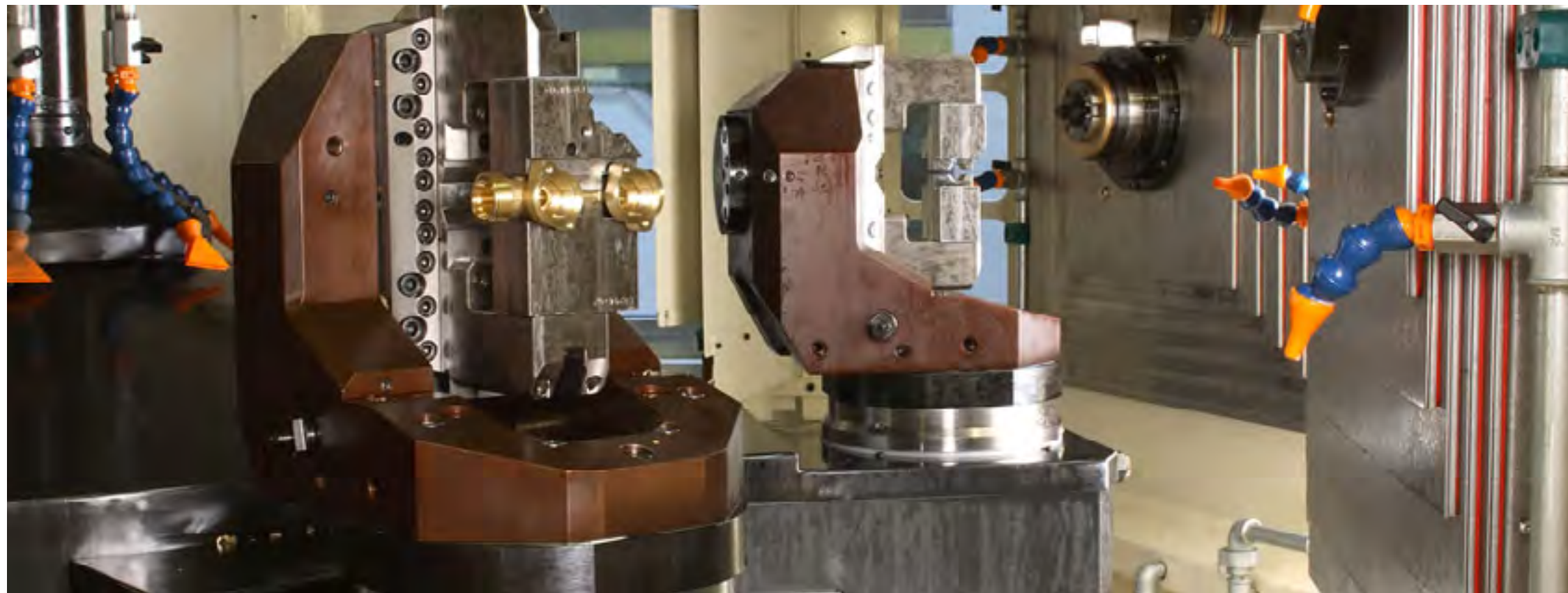
- 4 stations and 3 modules
- bridge style bed frame for maximum strength
- 3 solid horizontal XYZ modules in cast iron with ISO40 or HSK63 spindle
- tool magazine with 12 or 20 places per module for a total of 36/60 tools
- 4 satellite continuous tables (360.000 positions)
- 2 or 4 oil deliveries for each satellite table
- ISO standard programming
- CNC Siemens® 840D or Fanuc® 31i





## 5-SPINDLE MULTICENTER ISO 40

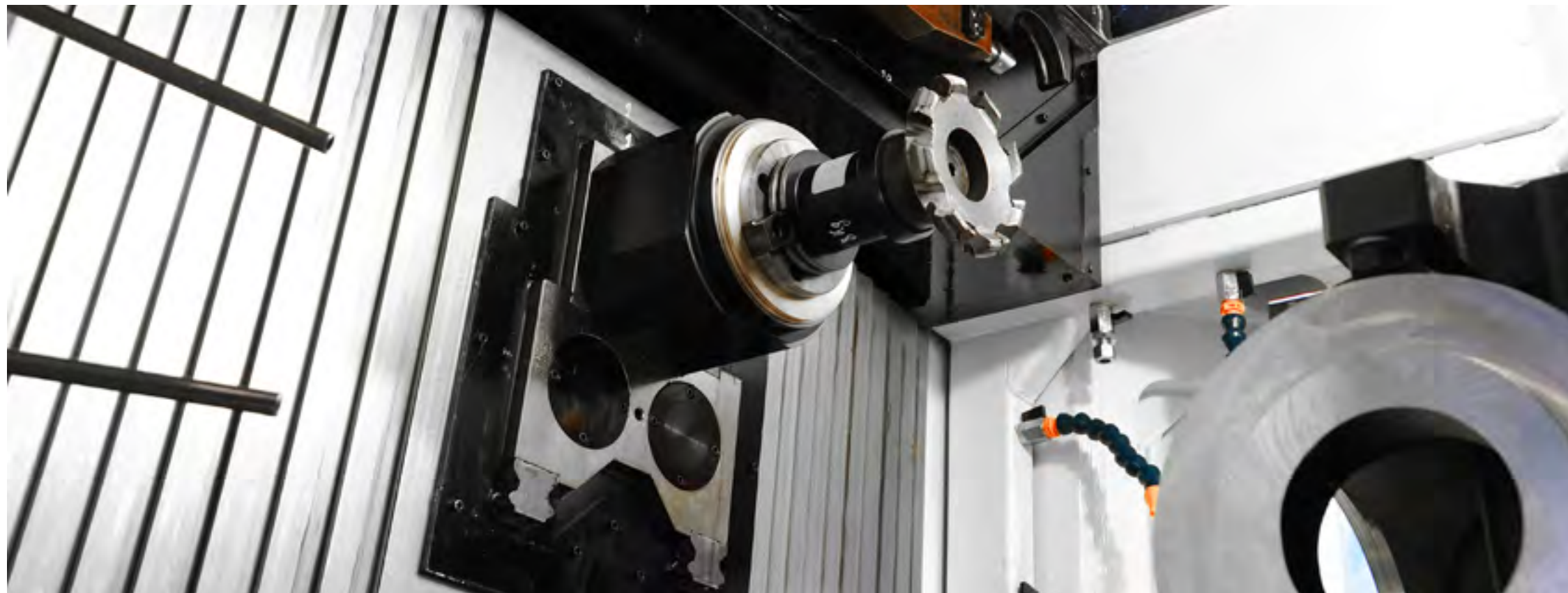
- 6 stations and 5 modules
- bridge style bed frame for maximum strength
- solid horizontal XYZ modules in cast iron with ISO40 or HSK63 spindle
- tool warehouse with 12 or 20 places per module for a total of 60/100 tools
- 6 satellite continuous tables (360.000 positions)
- 2 or 4 oil deliveries for each satellite table
- ISO standard programming
- CNC Siemens® 840D or Fanuc® 31i





## 3-SPINDLE MULTICENTER ISO 50

- 4 stations and 3 modules
- bridge style bed frame for maximum strength
- 3 solid horizontal XYZ modules in cast iron with ISO50 or HSK100 spindle
- tool magazine with 12 or 20 places per module for a total of 36/60 tools
- 4 satellite continuous tables (360.000 positions)
- 2 or 4 oil deliveries for each satellite table
- ISO standard programming
- CNC Siemens® 840D or Fanuc® 31i



## TOOL CHANGE

tools	from 60 to 100
max tool weight	8 kg
max tool length	250 mm
max tool diameter	80 mm
max tool diameter with free position	130 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

## TOOL CHANGE

tools	from 60 to 100
max tool weight	8 kg
max tool length	250 mm
max tool diameter	80 mm
max tool diameter with free position	130 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

## 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 <sup>2</sup>
4th AXES	
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

### PLEASE NOTE:

possible technical modifications will be done, as per our private right, without previous communication.

## AXES X,Y and Z

axes stroke	400/400/310 mm
speed	25/25/25 m/min
acceleration	6,5/5,5/6,5 m/s <sup>2</sup>
4th AXES	
continuous	360°
positioning system	encoder / digital scale

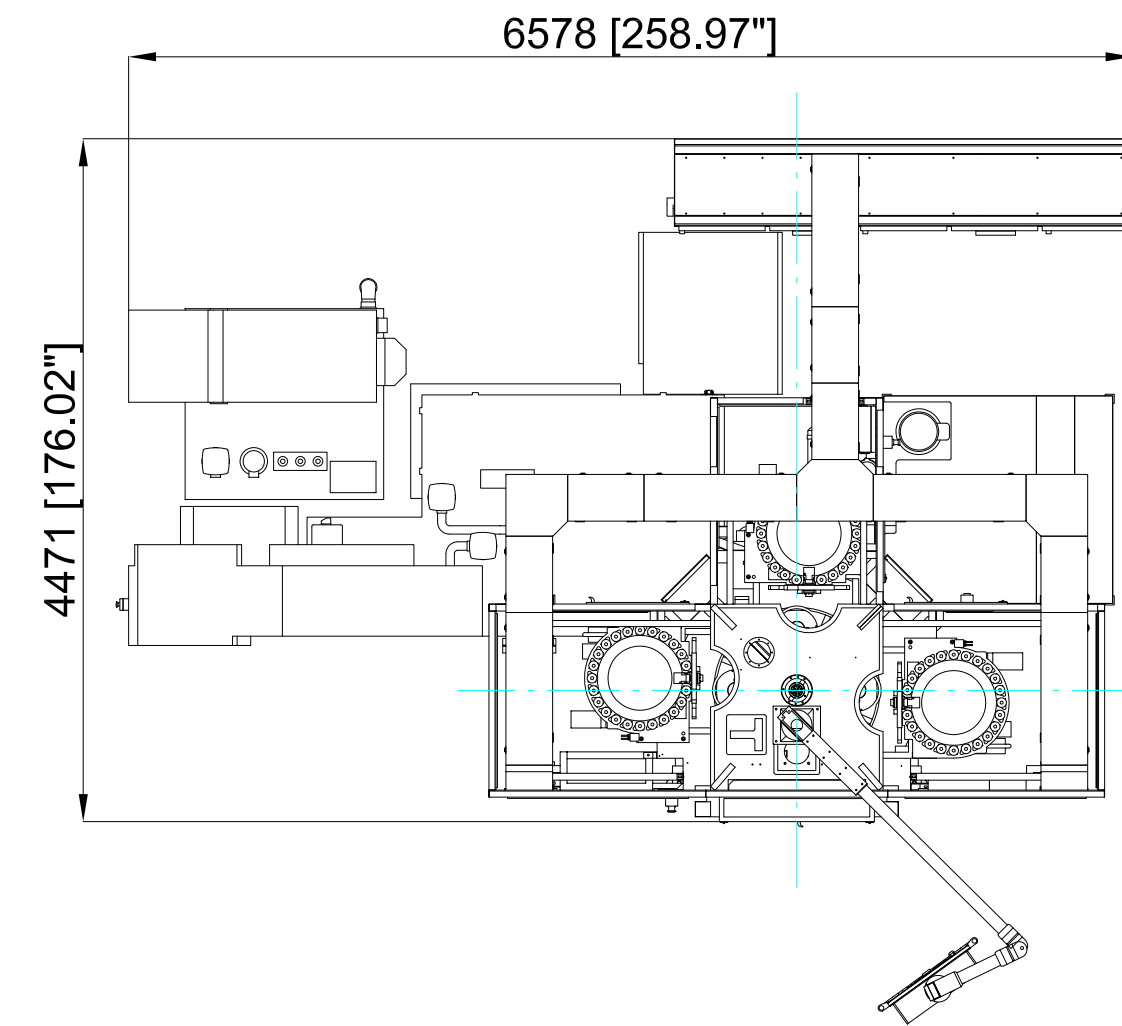
## TOOL HOLDER SPINDLES

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

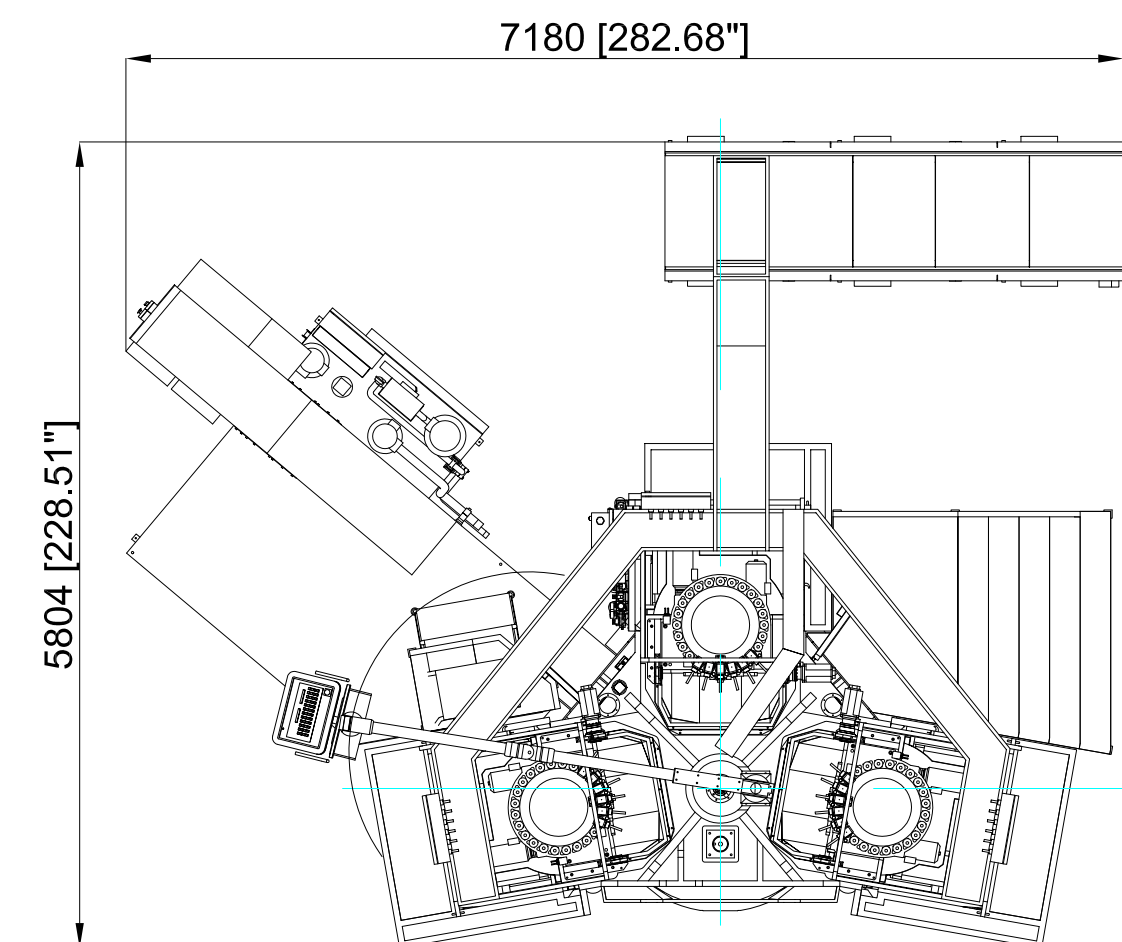
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## 3-SPINDLE ISO 40 250 CUBE



## 3-SPINDLE ISO 40 400 CUBE



## TOOL CHANGE

tools	from 60 to 100
max tool weight	8 kg
max tool length	250 mm
max tool diameter	80 mm
max tool diameter with free position	130 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

## TOOL CHANGE

tools	from 60 to 100
max tool weight	25 kg
max tool length	320 mm
max tool diameter	130 mm
max tool diameter with free position	200 mm
tool change	2,4 sec
tool holder	HSK100 / ISO50

## CONTROL

human machine interface	touch-screen
teleservice	included
programming language	iso code
cnc	fanuc / siemens

## 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 <sup>2</sup>
4th AXES	
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

### PLEASE NOTE:

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## AXES X,Y and Z

axes stroke	400/400/310 mm
speed	20/20/20 m/min
acceleration	6,5/5,5/6,5 m/s <sup>2</sup>
4th AXES	
continuous	360°
positioning system	encoder / digital scale

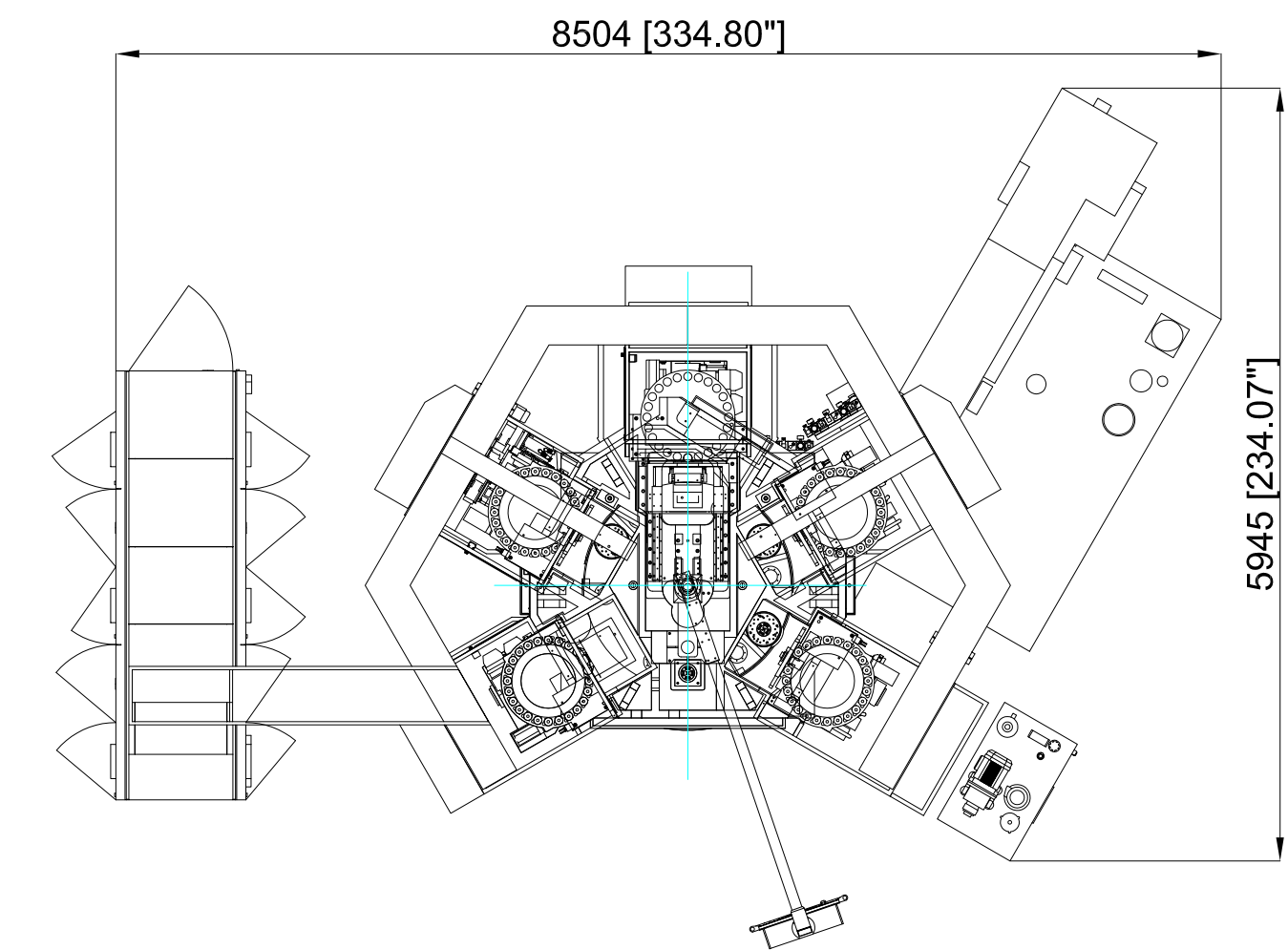
## TOOL HOLDER SPINDLES

tool holder	HSK100 / ISO50
spindle speed	3000 / 6000 rpm
max power	up to 40 kw
max torque	190 Nm

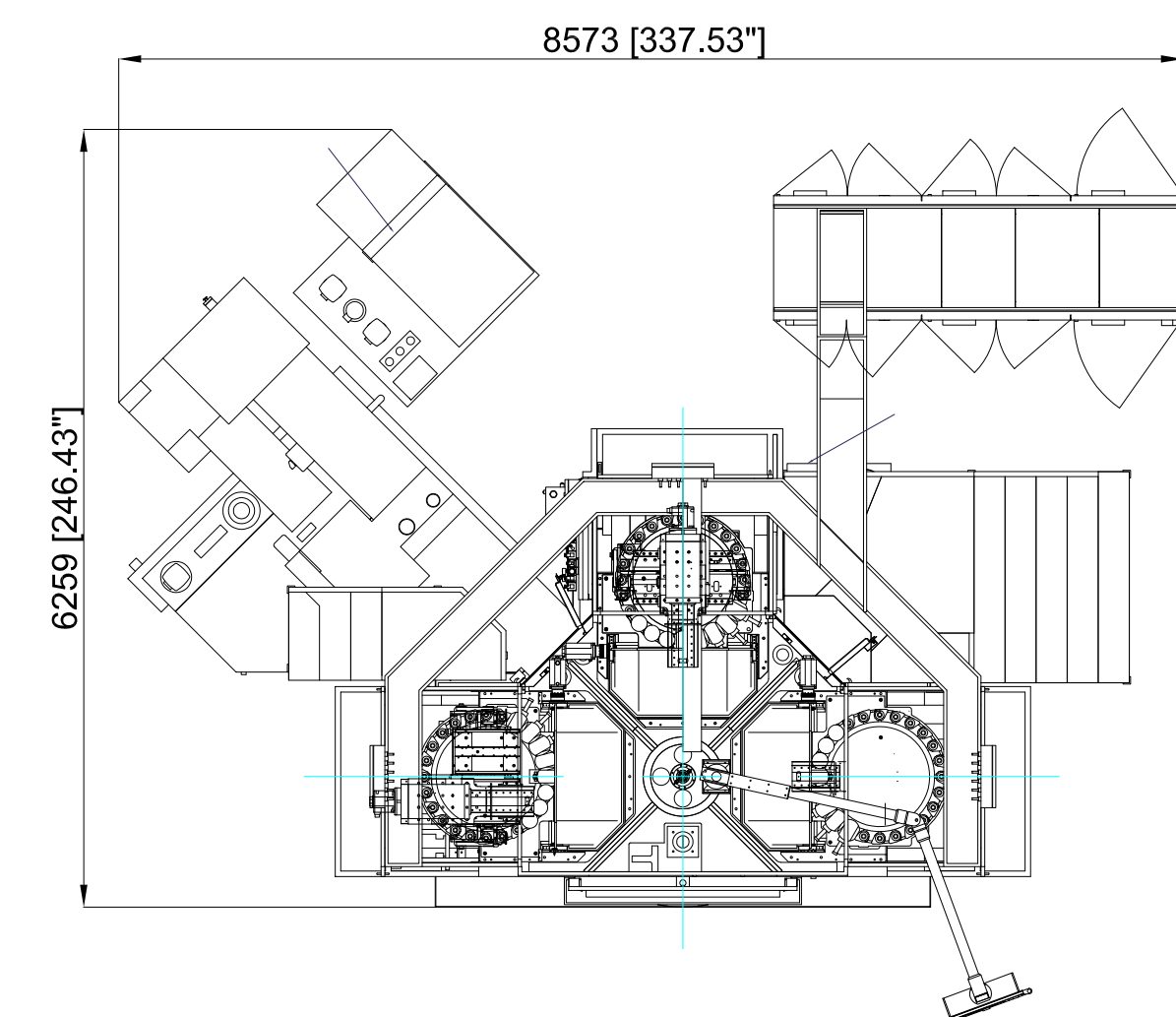
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## 5-SPINDLE ISO 40 250 CUBE



## 3-SPINDLE ISO 50 400 CUBE



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