

INFOTECH

Multiple-spindle technology/Indexing head technology **SU-matic®**

Double or triple your number of tools at one go!

IH 210-3 indexing heads on revolving machines

The growing complexity of parts is forcing the manufacturers of revolving machine to integrate ever more processing operations in the same machine. In order to utilize or incorporate the basic constructions already in place, solutions have to be found that allow additional tools to be mounted without a change in the machinery's footprint.

Special multiple spindle heads and drum-type indexing heads were developed for the C16 revolving machine made by Bergomat. These heads can double or even triple the number of useable tools without affecting adjoining stations.



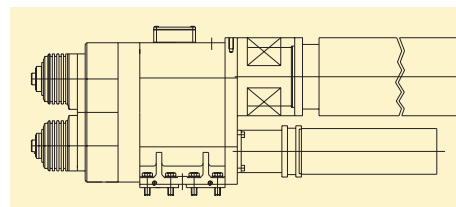
Revolving machine with up to 96 CNC axes



Two-spindle head with HSK 40/50 interface, internal coolant fluid supplied at up to 70 bar, speed of up to 10,000 rpm



Three-spindle indexing head with HSK 40 interface and two servo drives. Changeover time of less than 1.5 seconds from cut to cut, internal coolant fluid supplied at up to 70 bar, speed of up to 10,000 rpm, also available as receivers for 4 or 5 spindles. Thanks to the compact drum shape, the ancillary stations can also be employed.



Technical Data

Speed: 10,000 rpm
Number of spindles: 2/3/4/5

Documentation Coupon

I would like to find out more about SU-matic products. Please send me:



- SU-matic catalog on adjustable multiple-spindle heads
- SU-matic catalog on fixed multiple-spindle heads
- SU-matic Catalog on angle heads
- Technical specifications for drum-type indexing heads
- I am interested in receiving all sets of documentation you have. Please call me.
- I would like to meet with a SU-matic technical consultant.

Company _____
 Name _____
 Street _____
 ZIP/Town _____
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 Fax _____

Machining time reduced from 19 to 11 seconds!

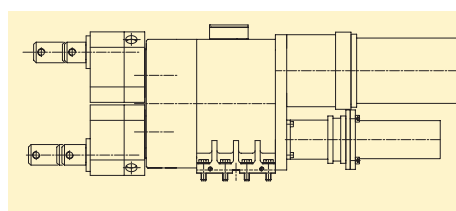
Time optimization with SU-matic drum-type indexing unit instead of a star-type indexing unit



Before: Star-type indexing unit with 2 multiple spindle heads. Cycle time > 19 seconds.



After: Rebuilt machine with drum-type indexing unit and two multiple spindle heads. Cycle time reduced by 42%.



Technical Data

Speed: up to 5000 rpm
Number of spindles: 2 x 3 spindles
Time saved: min. of 8 seconds

TCG is a company that has been casting and machining valve parts for some time. This machining was previously done on a specially designed machine fitted with a three-spindle star-type indexing unit. At the start of this year, the machine was refitted with a SU-matic drum-type indexing head.

This head switches to the next tool without stopping the spindle rotation. This is done through the use of two drives: one for spindle rotation and one for the rotation of the drum head.

Thanks to these new components, the machining time has been cut from 19 to 11 seconds.

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