



THE EMAG GROUP – WORLD-WIDE PARTNER
IN FORWARD LOOKING PRODUCTION TECHNIQUES

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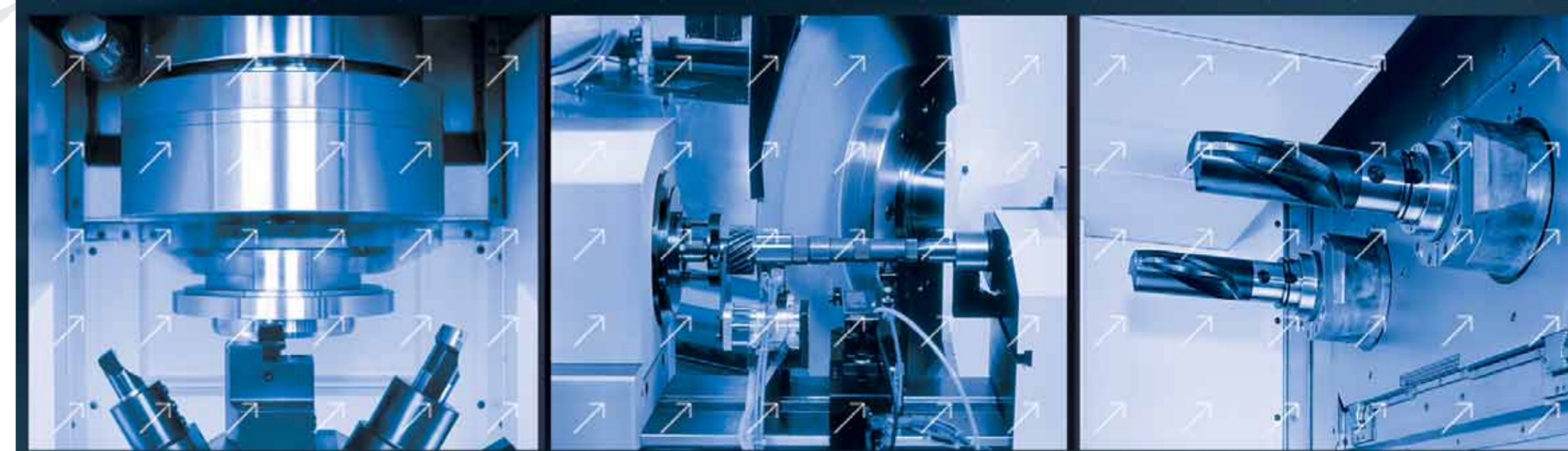
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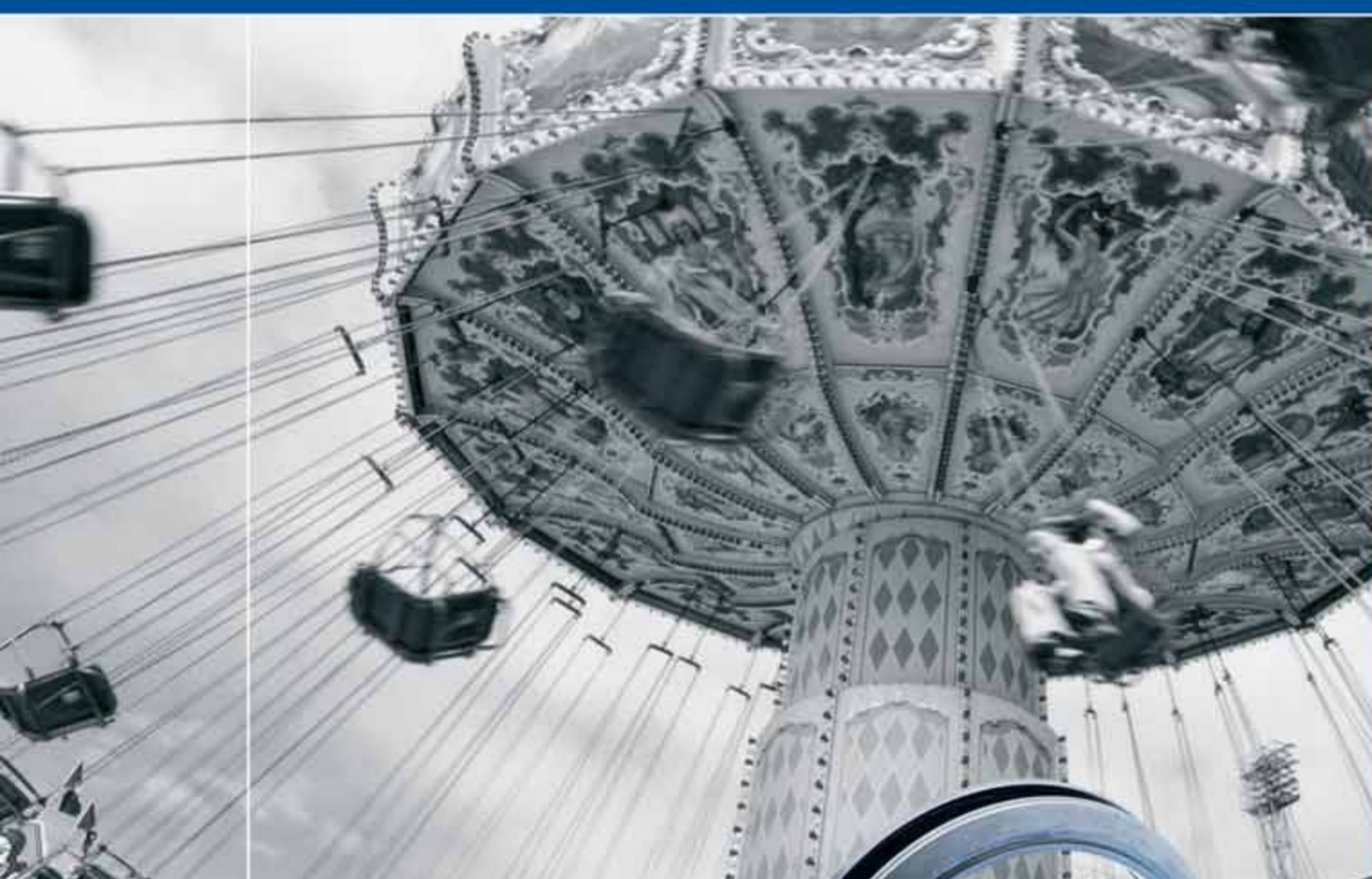
REINECKER
KARSTENS
KOPP
NAXOS-UNION
SW
KOEPFER
LASER TEC



Quick as a flash: VL 3 and VL 5, the standard vertical turning machines for chucked components. What distinguish the VL series are the highest productivity levels, the extremely high and constantly maintained degree of precision, exceptional process integrity and a high degree of operator friendliness. The pick-up spindle collects the workpiece. Short traverses and the machine's compact design provide for extremely short loading and cycle times. Turning + automation on a single machine. On the smallest footprint!

Vertical Turning Machines

VL



TURNING +
AUTOMATION



Round workpiece.

Chuck dia.	mm	160	to	250
Swing dia.	mm	210	to	260
Workpiece dia. (nominal) mm		10	to	200
Workpiece height	mm		up to	110



Hall 4 Stand B13
Hall 25 Stand C08



Vertical Turning Machines

VSC

TURNING +
AUTOMATION



Round workpiece.	VSC 7
Chuck dia.	mm 400
Swing dia.	mm 420
Workpiece dia. (nominal)	mm 340
Workpiece height	mm 160

VSC stands for chip capacity and quality. VSC 7. The standard vertical turning machine for chucked components. An "indestructible" all-rounder when it comes to turning and automation in a single machine.



Hall 17 Stand C33



Worldwide partner in innovative manufacturing processes.

Turning. Gear profiling.
Automation. 



Round workpiece.	VSC 400 WF
Module size, max.	mm 4
Workpiece dia., max.	mm 230
Milling cutter dia., max.	mm 130
Shift stroke, max.	mm 180



VSC 400 WF. The high-speed pick-up gear hobbing machine from EMAG KOEPFER. For the fast machining of round workpieces up to 230 mm diameter. Equipped with an additional turret, this high-performance machine can also be used to turn the second side of the component, to utilise live tools for auxiliary operations and to carry out deburring operations using a wheel, a chamfering tool or a deburring roller.

VSC 400 WF



Hall 2 Stand B44



HG 2

Grinding.

Flexibility and productivity at an unbeatable ratio. The new HG 2 from EMAG. A highly efficient, compact solution for the finish-machining of medium and large batches of shaft-type components. A high degree of standardisation in the platform design offers noticeable monetary advantages, whilst the modularity of the design brings undreamt-of flexibility. Equipped with the relevant

technology modules, the platform accommodates external cylindrical grinding (KARSTENS), cam and out-of-round grinding (KOPP) and crankshaft grinding (NAXOS-UNION) processes. The new HG 2 from EMAG. A highly efficient solution where the requirement is cost-effective production and top quality performance.

Shaft-type workpiece.	HG 2	
Workpiece dia., max.	mm	100
Workpiece length, max.	mm	400
X-axis travel	mm	380
Z-axis travel	mm	1.000



Worldwide partner in
innovative manufacturing
processes.



Light machining



En bloc. The monobloc design, patented by SW, provides the machines of the BA S03 series with the kind of rigidity required for the machining into solid stock. The machining centers, which can be equipped with either one or two vertically arranged spindles, also distinguish themselves by their outstanding dynamic. These characteristics make the BA S03 a particularly interesting proposition for the high-productivity machining of workpieces in light alloy.

Cubic workpiece.

Machining operations: milling - drilling - threading - boring - O/D turning

Machine: BA S03-22

End product: pump housing for a passenger car



BA321...yours!

To be unwrapped
at EMO



Hall 12 Stand D47