

# **PRESS RELEASE**

*An information of Schwäbische Werkzeugmaschinen GmbH, Waldmössingen*

## ***From small to large – two new types of SW multi-spindle machining centers exhibited at the EMO***

*Economic solutions for the machining of high volume quantities of turbocharger impeller and chassis parts.*

**Schramberg, 20.08.15. In one go, two new multi-spindle machining centers will be presented by Schwaebische Werkzeugmaschinen GmbH (SW) during the exhibition EMO 2015 in Milano. The brand new BA W02-22 with linear motor technique is at the moment the smallest machine in the product range with spindles at 250 mm distance – it is used for quick and precise chip-removal processes in light-alloy. For the first time, the four-spindle machine type BA 742 will be presented which – as the largest machining center – will perfect the scope for machining steel and cast-iron parts. Additionally, SW provides automation solutions for machines and complete production lines. Non-cutting times caused by technical and organizational reasons are reduced by the innovative supply of services.**

More and more automotive manufacturers reorganize with power-train towards platform concepts with as many non-variable parts as possible. This actually increases the number of pieces produced during chip-removing processes. „With multi-spindle machining centers, the suppliers could image this development in an economical manner and could rapidly increase the number of pieces with the minimum of space required“, emphasizes Reiner Fries, Managing Director Sales in SW.

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## **Doubled jerk and kv by linear motors**

For high-speed machining of small light-alloy parts, such as turbocharger impellers, SW presents the compact BA W02-22. With a spindle distance of 250 mm, double swiveling trunnion and torque and linear motor techniques, the space requirement is just about 4 m<sup>2</sup>. Besides definitely higher dynamics, the BA W02-22 reaches a jerk and a kv factor double so high as ball-screw machines. „Even for the micro-movements in free-form surface machining, the new machining center combines highest precision with high dynamics and extreme low total cost of ownership through the nonwearing linear motors“, Reiner Fries pointed out.

## **Pure strength: 1.360 Nm in contacts**

For a quick increase in quantities in the machining of chassis parts and brackets made of cast-iron and steel, or industrial gearboxes, SW now offers the largest type series BA 7 with four spindles. The new BA 742, with a spindle distance of 350 mm and four HSK 100 spindle drives, machines the parts with a total of 1.360 Nm. In spite of its size, the new BA 742 still is a crane hook machine that can be transported in one piece ready-to-use on customer's premises.

## **Free machine access – even with automation**

In addition to higher quantities, end-users also look for suppliers of complete production lines with loading- / unloading systems as well as further manufacturing processes.

With the acquisition of Bartsch GmbH at the beginning of

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2015, SW has now the ability to provide a total automation solution. Both companies have realized various large projects. The robot positioning in an optimum position above the MC which is preferred by Bartsch allows free access to all areas of the machining centers.

## **PULSE reduces non-cutting times**

With the service program PULSE, SW focuses the total number of services for highest availability and productivity for the total life-cycle of the SW-machines. Since the turn of the millennium, every second SW-machine delivered, is contracted for Teleservice. More and more users count on Remote Condition Monitoring and mirror the machine control information via an outbound-connection to a safe server. „SW-machines show more than one million operating hours per year – and with this data information we have enlarged our knowledge about non-cutting times enormously“, says Reiner Fries.

With our PULSE service program we are able to offer predictive maintenance. In addition the information gained through this analysis shows significant potential for raising productivity through simple organizational procedures.

Meet SW during EMO 2015 in Milano: visit us in Hall 11, Booth F06

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*The following, high-resolution pictures are attached to the press release. These may be used for editorial purposes. Provided that you specify the reference „Photo: Schwäbische Werkzeugmaschinen GmbH“ and you send a free voucher copy to the above address they can be used, free of charge.*

	<p>High precision machining of small parts with the new twin-spindle machining center BA W02-22</p>
	<p>As the largest machining center BA 742 will perfect the scope of SW MCs for machining steel and cast-iron parts.</p>
	<p>Reiner Fries, Managing Director Sales</p>

*A short information about Schwäbische Werkzeugmaschinen GmbH:*

*Schwäbische Werkzeugmaschinen GmbH, or SW, in Waldmössingen is an expanding manufacturer of internationally successful production systems in the metal-working industry. Currently about 410 employees develop and plan machine tools and accessories.*

*For more information click [www.sw-machines.de](http://www.sw-machines.de)*