

Heavy-duty cutting made easy

Machining center qualifies in theory and practice

Mönchengladbach

Wirtgen GmbH –Is a World-renowned manufacturer of special road construction machines based in Rheinland-Pfalz. They are best known for their milling machines that are used for stripping concrete and asphalt road surfaces down by as much as 60 centimetres so their understanding of the benefits of extremely rigid structures is borne of their own business experience.

Machining centres that are to be utilised in their own manufacturing processes have to meet their standards of stiffness, reliability and precision. With the challenge of a wide range of products and small batch requirements of a multitude of different parts they require extreme flexibility in the chosen machines. Because of these requirements their manufacturing team devised a specific set of tests for all of the potential suppliers. From the results of these test undertaken by several erstwhile suppliers the team unanimously decided in favour of the ALPHA-machining centre by Doerries Scharmann Technologie GmbH (DST).

From numerous potential suppliers a short list of four were chosen DST among them. The high performance test conceived by Wirtgen consisted of drilling into solid material with a drill of 78mm diameter; boring and roller burnishing tubes with a 290mm bore and several milling operations with cutters between 5 and 250mm diameter. This included the smooth and reliable handling of tools of up to 36kg in weight.



Horizontal Machining Center
ALPHA

Press Release 1/ December 2005

The outcome of all of this testing clearly defined the ALPHA from Doerries Scharmann Technologie and the decision was unanimously endorsed by the Wirtgen's manufacturing team.

Following installation and commissioning they have found that they have made a sound choice. They have found that they have recognised the benefit of the rapid workpiece changer and the low idle times. The two machining centres are in operation 24 hours per day and are co-ordinated with a computerised high rise storage and retrieval system which manages and stores material, preliminary set-up workpieces as well as accessories for the machining centres.

In a constrained time period DST manufactured and installed the customised machines on schedule. After eight months of experience with the new machines Wirtgen engineers recognise the high degree of flexibility and productivity giving them shorter process times, extreme stiffness and minimal vibration in their more difficult parts.

Number of characters: ca. 2.800

Underline:

1: Two identical, mostly automatically operating horizontal machining centers "ALPHA" for heavy-duty cutting are the result of a sophisticated selection process at Wirtgen.

2: The computerized high-bay racking belongs to the features increasing productivity at Wirtgen. It offers 116 positions for material, preliminarily set-up workpieces and Wendetische with NC-dividing heads.



Computerized Racking

For further information:

Dörries Scharmann Technologie GmbH
Public Relations/Marketing
Michael Schedler
Hugo-Junkers-Str. 12-32
D - 41236 Mönchengladbach
Tel.: +49(0) 2166 454 238
Fax: +49(0) 2166 454 477
E-Mail: information@ds-technologie.de
Internet: www.ds-technologie.de

or:

Redaktionsbüro rgt, Gerd Trommer
Johannishofweg 7
D - 64579 Gernsheim
Tel.: +49(0) 6258/ 9320-30
Fax: +49(0) 6258/ 9320-32
E-Mail: rgt@mukomm.de

