

item

Press note

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Reorganisation – Sophistication in a normal assembly system

The company Becker Vacuum pump&Compressor developed in cooperation with item Industrietechnik und Maschinenbau a new assembly area with a flexible power supply.

The company Gebr. Becker GmbH from Wuppertal develops, produces and sells Vacuum pumps&Compressors worldwide which are mainly used in the printing and packaging industry. They are also used in the branches logistics, medical and environmental technology.



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The company Becker's target was the installation of new assembly areas with an efficient utilisation of the assembly capacity and at the same time an improvement of workstations under ergonomic standpoints.

Initial situation: fixed welded construction

The company Becker had a concrete vision on how the assembly areas had to look like and just item was in the position to find a solution with their building kit system. item Industrietechnik und Maschinenbau GmbH from Solingen is the inventor of the MB Building Kit System. The basic of the building kit system are aluminium profiles with the technique for joining parts with multi-purpose functional components and with which nearly everything around equipment and working station can be designed.

Request: ergonomic, variable assembly areas with flexible power supply



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Sophistication gets integrated in a normal assembly System and the result is: power and compressed air supply will accompany the mechanic. The seven assembly areas consist of a solid base frame out of the item MB building kit system - profile line 8. They guarantee a load bearing capacity, which is depending on the type of pump, can quickly sum up to two tons of weight. The height of the tables can be moved up individual through the adjustable feet. In two dollies that are placed in front of the assembly tables every mechanic has a locker for private valuables and work equipment. The dolly can be pushed along the table to create a combination for particular operations and enables an effective assembly process and additional material provision.

“Nobody but item was in the position to build such assembly areas”

The highlight: the power supply is placed that through short ways and hindrance of spaghetti a high dose of operational safety is guaranteed. It never minds at which point of the table the mechanic is the power and compress-air supply drives separated from each other. The wish of a variable power supply could be realised through an item c-rail system.

The result: explicitly rise of effectiveness for the assembly of the Becker aggregates!



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