

# Press release

## **High-end lifting technology:**

### **Demag DH hoist unit relaunch**

- New possibilities in high-end lifting technology
- Complete range with load capacities of up to 100 tonnes in various designs
- Extended hoist motors as standard for infinitely variable inverter-controlled lifting
- Equipment packages for defined areas of application or operating conditions

**Wetter, Germany, 27 November 2023. Demag is expanding its DH hoist portfolio with a relaunch. New features include the standard size 400, the standardised option of infinitely variable positioning and a significantly expanded range of accessories, which have been combined into equipment packages.**

The DH series is a high-quality, extremely robust hoist series in the Demag range that goes far beyond “classic” crane technology and can be used wherever reliable load handling is required, even under extreme conditions. The hoist units are used all around the world and boast a torsionally rigid frame, long hook paths (up to over 100 metres) and versatile assembly options. Examples include numerous applications in electroplating plants and



infrastructure projects, as well as for horizontal movements, e.g. in architecture, where they have safely moved roof structures weighing several tonnes.

Klaus Hoffmann, Vice President Demag Distribution: "With the relaunch of DH, we are fulfilling the wishes of our customers and have expanded our previous portfolio in a targeted manner. Feedback from the market shows that this hoist continues to enjoy a very high level of acceptance and is the first choice for demanding applications. Accordingly, we are leading this relaunch with the confident slogan "DH. The hoist unit. More than lifting."

#### **Four sizes instead of three**

A new addition to the standard DH range is the 400 size for load capacities of 1 tonne or more. Like the other three sizes (600 to 2000), it is available in various basic designs: as a compact foot-mounted hoist, as a standard-headroom monorail hoist (for monorail suspension and other applications), and also in curved design, as a short trolley with optimised hook path and as a double-rail crab.

#### **Drive systems: optimal monitoring**

There are also program extensions for the drives. The use of high-quality conical-rotor motors, 100% developed for demanding use in hoists and "made in Germany by Demag" at the Uslar plant, remains unchanged. As you would expect from DH hoists, they are available in different versions: as pole-changing motors with creep lifting (1:6 and 1:10) and as infinitely variable drives. New in the standard versions here are the standard temperature monitoring and a DGS 4 limit switch with four switching points integrated into the electrical housing and driven directly by the drum.

## **ZBA motor for speed-controlled hoist units**

Anyone who opts for a DH hoist unit with speed-controlled drive can now benefit from the advantages of the ZBA hoist motor. This cylindrical-rotor motor (also “made in Germany by Demag”) operates highly efficiently and can be integrated into state-of-the-art control concepts such as closed loop with encoder feedback. Other (safety) functions of the ZBA motor include a separately controllable brake with brake release control and brake adjustment monitoring as well as the option of integrating an impulse generator.

## **For harsh environmental conditions: package options**

A new feature is the combination of various options into packages for defined applications – for example, high humidity, arctic or tropical climates or corrosive environments such as those found in galvanising plants. Demag has put together a total of eight equipment packages in which the hoist unit, motor and coating are adapted to the application profile by means of 16 performance features. This gives the user the certainty that they are selecting the right hoist even in adverse environmental conditions and can expect a long service life.

## **Outlook for 2024: the relaunch continues**

As comprehensive as this “relaunch” is, the expansion of the DH hoist unit range is not yet complete. Additional options and improvements are planned for the first half of 2024 – including to the rope hoist system and control technology. In this way, a proven, the high-quality concept will be made fit for the future and also for new requirements and areas of application.

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## Images:



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Demag DH. The hoist unit



Four designs for load capacities up to 100 t.

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