

## CASE STUDY

# HEXAGON METROLOGY GMBH, WETZLAR: CABLE HARNESS SOLUTIONS FOR PRECISION MEASURING INSTRUMENTS

Since the beginning of 2025, Datwyler has been producing 76 different types of cable harness in the Czech Republic for Hexagon Metrology.

Hexagon Metrology GmbH is part of Hexagon AB, a global technology group, based in Stockholm, producing measuring equipment and geoanalytics. Hexagon Metrology has concentrated on the development and production of precision measuring instruments for industrial applications. The main products and services provided by the Wetzlar-based company include coordinate measuring machines (CMM) for the precise 3D measurement of components, portable measuring arms for large or hard to access parts, laser trackers and 3D scanners, probes and accessories as well as software for collecting and analysing the measured data. This also includes services and support. With its state-of-the-art solutions, the well-known company serves sectors such as engineering, the automobile industry, aerospace and other high-tech sectors.

### First China, then Europe

The Hexagon team from Wetzlar approached Datwyler IT Infra in January 2024. The Group had been working in China with the Datwyler branch in Taicang for many years and Hexagon Metrology was now looking for a European supplier of cable harnesses to be used in its precision meas-



uring instruments – a supplier with a global footprint. The main concern was for high quality products at the best possible price. Because Hexagon had only had positive experiences with the Datwyler site in China, it already had a lot of confidence in the capabilities and quality of Datwyler products from Děčín.

### Comprehensive cable manufacture know-how

Datwyler has been producing in the Czech Republic since 2012. With its comprehensive portfolio, for a lot of customers, the company in Děčín is an esteemed harnessing partner providing first class manufacturing, pre-assembly, logistics and additional services and therefore creating added value for them. The consistent focus on customer requirements, market proximity and a highly motivated workforce mean that Datwyler's site in the Czech Republic can meet all market requirements.

As a customer of the Děčín site, Hexagon Metrology has the benefit of comprehensive production capacities, modern machinery, forward-looking automation and efficient production processes, combined with strict quality con-



trol and on-time implementation. Hexagon receives precision-engineered cable harnesses including declaration of conformity and warranty. Add to this the fact that Datwyler IT Infra is consistently concerned with sustainability, for example through the use of environmentally friendly packaging and energy-efficient production. The competitive prices were another important argument that convinced the team in Wetzlar.

### Collaboration off to a successful start

Once the samples had been approved, collaboration started at the beginning of 2025. In an initial stage, Datwyler is now producing 76 different types of cable harness for Hexagon – all according to the specifications given. That is currently about 6500 units per annum. Other types are to follow in the coming months.

Furthermore, the team in Děčín has also taken over sourcing the materials needed and has stocks of finished products. In this respect, Datwyler IT Infra is an important partner in Hexagon Metrology's high-precision technologies supply chain.

With the products produced to date, Datwyler has been able to meet all expectations – and that's not all. Because the local team is very proactive, for instance with propos-



als for optimising the products, shortening delivery times and saving costs. So Hexagon Metrology is very satisfied with the collaboration.

For Datwyler itself this agreement is also opening up opportunities for extending collaboration with other European clients. "Thanks to the successful cooperation with Hexagon Metrology, we are strengthening our position on the European market and can further develop our expertise in the manufacture of cable harnesses for high-tech equipment", explains Tomáš Kadlec, Managing Director of Datwyler IT Infra s.r.o.

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