

# RAILWAY WHEELS FOR THE GLOBAL MARKET



## CNC VERTICAL LATHE VERTURN 1600 by KNUTH

[www.knuth-usa.com](http://www.knuth-usa.com)

### New production level at INTERPIPE NTZ / Ukraine

Ukraine is the second largest country in Europe in terms of territory. In addition to its enormous wealth of natural resources, the main pillar of the Ukrainian economy is heavy industry, mainly steel, locomotive manufacturing and mechanical engineering. For more than ten years KNUTH Werkzeugmaschinen has been doing business in this region. "Many of the major metal-working companies are among our regular customers," says Irina Gerdt, Sales Manager GUS at KNUTH. One of them is INTERPIPE NTZ, the third largest manufacturer of solid rolled railway wheels in the world. The company's KLVs product portfolio includes about 240 types of railway wheels for freight and passenger cars, locomotives, and mass transportation cars. The company serves leading railway companies, such as RAIL (Germany), or Bombardier (Great Britain). For the expansion of its production capacity, INTERPIPE NTZ chose a Verturn 1600 CNC SIEMENS 828D by KNUTH. Currently, the company utilizes four machines for the entire machining process - from the production of blanks to finished turned railway wheels.

### Global Competitiveness

Compliance with applicable standards worldwide ensures the ability to export to the EU and around the globe. "With the vertical CNC turning and boring mill

VERTURN 1600 by KNUTH we will increase production to a completely new level. Thanks to its security and reliability we can now produce demanding parts like never before", says A.N. Teslo, Deputy Department Head at INTERPIPE NTZ. "Furthermore, we will leverage the advantages of KNUTH machines in the scheduled production of wheels for high-speed railway cars."

### Vertical Lathe Verturn 1600

Verturn Series Lathes feature high load capacity and precision. The advantages of the extremely sturdy construction materialize especially during heavy machining operations. The Verturn features large, induction-hardened and precision-ground rectangular guides and powerful hydraulic cross travel clamping. The optional 3-jaw lathe chuck reliably holds heavy and large workpieces and is adapted to fit perfectly to the customer's loading system. Multistage precision gears and a main spindle drive that delivers optimum power across the entire speed range ensure high torque at the main spindle for efficient and precise machining. During deep hole boring, the CTS system passes coolant with pressures up to 20 bar to the tool center point.

R.W. Trofimow, Director KNUTH UKRAINE GmbH says: "KNUTH Werkzeugmaschinen offers its Ukrainian customers high-quality and reliable machining paired with many years of experience and a large product portfolio. In addition, we offer extensive warranty and after-sales services."



Handling system for loading and unloading



From blanks to finished wheels



INTERPIPE NTZ, Ukraine



Verturn II VDM CNC



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