



**Company Name:** D. Turner & Son (Machinery Removal) Ltd

**Location:** Middleton, Manchester, UK

**Industry:** Machinery Removal

**Products Supplied:** Modular Wyler BlueSYSTEM with Bluetooth

### APPLICATION BACKGROUND

Based in Middleton, Greater Manchester, D. Turner & Son specialises in the safe transportation of a diverse range of heavy machinery, plant and equipment throughout the UK and Europe. Established by David Turner in 1965, David's son Lee has since taken a major role in developing the business into a highly skilled project team with a broad portfolio of machine relocation services. The company has direct access to a wide range of specialised machine removal and machine installation equipment, and a wealth of experience in a wide range of public and private sector industries.

D. Turner & Son offers a dismantling and removal service for single machines right through to all machines and components within a complete production line, as well as a lifting, handling and transportation of a diverse range of machinery and components both in the UK and internationally.



### THE CHALLENGE

As part of its machine removals services, D. Turner & Son must carefully dismantle, relocate and reposition large machine tools with several important components. Moving such high value machines is a delicate process, and each axis must be carefully considered to ensure minimal disruption to the machinery and its components.

Before a machine is dismantled, D. Turner & Son must evaluate its geometry and accuracy. A thorough analysis means that when the machine is reassembled, a similar or even better accuracy can be achieved. In the event that a business isn't getting the best out of their machine, a thorough accuracy and geometry check allows D. Turner & Son to assess what the problem might be, or simply what can be improved on.



Staff at D. Turner & Son were previously using either spirit or dial levels to carry out the above checks, and although the accuracy levels were fairly consistent and accurate, the reading were not always immediate. As a result, they decided to upgrade their levels and invest in a faster solution.

## THE SOLUTION

Bowers Group supplied D. Turner & Son with the WYLER BlueSYSTEM, a modular family of digital inclinometers, perfect for machine alignment. The BlueSYSTEM supplied to D. Turner & Son consists of two BlueLEVEL measuring instruments and a BlueMETER Sigma display unit, and is used for the measurement of straightness, flatness, squareness as well as machine geometry and machine rotations. BlueSYSTEM Sigma combines high accuracy ( $0.001\text{mm/m} = 0.2\text{ arcsec}$ ) with the robustness required in the machine tool business, and the user-friendly wylerSPEC software enables users to achieve the required accuracy of their machine and to record it afterwards.

The WYLER BlueSYSTEM has enabled D. Turner & Son to carry out thorough accuracy and geometry checks during the process of dismantling, relocating and repositioning machine tools. Measurements are immediate; and can be shared between members of the team using Bluetooth.

As the sole UK agent for WYLER, Bowers Group supply WYLER's full range of precision spirit levels, clinometers, electronic inclination measuring instruments, inclination sensors and software for inclination measurement.

## COMMENTS

Lee Turner, Director at D. Turner & Son said: "The main benefit is that the WYLER Blue system is that it is much quicker and more efficient; it enables us to get immediate results. We're chasing microns here, and always aiming for the highest levels of accuracy. The WYLER enables us to achieve this. It's a very welcome step up in equipment for us.

The Bluetooth feature is great because everyone can see the results immediately, rather than individual members of staff having to go and read each level. We only need one member of staff to take a fast, accurate measurement now, rather than two using the previous method. Obviously, this is really useful given the current situation with Covid-19; we get a perfect measurement whilst keeping to social distancing rules!

We recently carried out a machine installation and carried out final level checks on a Doosan DBC130L. It was easy with our WYLER Blue System.

Bowers has been great with the service. Our training was disrupted due to Covid-19, but they have been very prompt and helpful."

