EXECUTIVE SUMMARY

CUSTOMER NAME: Hi-Spec Engineering

INDUSTRY: Machine manufacturer for high-quality agricultural equipment

LOCATION: Bagenalstown, County Carlow, Ireland

CHALLENGE: Unsatisfied with their plate line’s output, they needed to invest in new technology

SOLUTION: Installation of Peddinghaus equipment including the HSFDB-2500 plate processor

RESULTS: Doubled productivity and increased accuracy on the HSFDB-2500 plate processor

With fertile soils, temperate climate conditions and abundant rain water, Ireland provides natural advantages for farming. Goods such as food and fuels are regularly produced by the country rich in the tradition of farming skills handed down through 200 generations. Today, beef and milk production are the two most important farming sectors within Ireland, accounting for 60% of agricultural output. Ireland is currently the largest beef exporter in Europe and one of the largest in the world. Similarly, 85% of dairy output is also exported.

With over 140,000 farmers located within the Republic of Ireland, one must remain consistent and reliable for grown goods. Similar to structural fabrication technology, agricultural machinery is sought to improve efficiency and productivity. Hi-Spec Engineering Ltd. in Carlow, Republic of Ireland, is the preferred machine manufacturer for high-quality agricultural equipment throughout Europe and its surrounding areas.

Stephen Nolan, John Nolan, Henry Nolan and Michael Nolan make up the ‘hands-on’ owner/management team at Hi-Spec.
Stephen Nolan, Operations Manager, and family remain busy year round.

Hi-Spec manufactures vacuum tankers, diet feeders, spreaders, slurry handling equipment and trailers. These product lines promote farm efficiency and productivity for their customers. Recent product launches such as the Kompactor push-off trailer prove that Hi-Spec has evolved since its inception. “We regularly release new products into the marketplace,” explained Stephen. “Where we are located in Carlow is a good farming area that gives us an advantage to be close to our clients and receive feedback on products.

Searching for CNC Efficiency
In any manufacturing industry, one of the many keys to success lies in production and efficiency. From labor to machinery to overhead costs, smart manufacturing aids in producing higher profit margins. To produce Hi-Spec’s vertical feeder line, the sturdy framework required heavy plate processing of 2.5m x 6m x 22m (8ft x 20ft x 72ft) plate. Unsatisfied with their plate line’s output, Stephen and his family knew they needed to invest in new technology.

Hi-Spec explored options within the structural steel marketplace that could process heavy plate for the frames of their feeder equipment. They were first introduced to Peddinghaus Corporation by John McCarthy with Lister Machine Tools - the exclusive distributor for Peddinghaus technology throughout Ireland. Stephen visited Peddinghaus’ headquarters to witness a firsthand look at the heavy plate technology. The HSFDB-2500 plate processor captured his attention with capabilities for plasma cutting, oxy-fuel cutting, drilling, milling, tapping, countersinking and scribing on heavy plate up to 75 mm (3”) thick.

Doubling Plate Production
After introducing the HSFDB-2500 into their manufacturing, Stephen and the team at Hi-Spec instantly saw results in their plate production. The speed, increased capacity and versatility of the HSFDB-2500 allow Hi-Spec to be flexible in their processing. Added benefits include bringing back plate production they were previously forced to outsource, and increased quality control on finished parts.

“On our previous machine, we were producing the floors for the vertical feeders at 1-2 per day,” Stephen explained. “On our first day with the HSFDB, we were able to produce four. We are definitely getting a lot more off of the HSFDB than that previous plate machine. It’s enhanced our capabilities.”
Answering Agricultural Industry Needs

The agricultural industry is currently undergoing a period of growth. Hi-Spec and its customers are able to experience direct benefits from the HSFDB-2500 plate processor. Increased accuracy results in top-quality manufacturing for which Hi-Spec is renowned.

“We are extremely focused on producing an excellent, quality product to our customer,” Stephen assured. “We are continuously improving our products and have an excellent team here at Hi-Spec. We will continue to grow to meet and exceed agricultural industry needs with Peddinghaus machinery.”

FOR MORE INFORMATION

To learn more about Peddinghaus Corporation visit: www.peddinghaus.com

PRODUCT LIST:

- Beam Drill Lines
- Anglemasters
- Plate Processing
- Coping Machines
- Thermal Cutting
- Automated Layout Marking
- Structural Band Saws
- Ironworkers
- Material Handling
- Shot Blasting
- Raptor 3D CAD/CAM Software