



Hypertherm®

Industrias John Deere S.A. de C.V. increases productivity and reduces costs of sheet and plate processing with ProNest®

Industry: Manufacturing

Equipment: ProNest®

The company and products

Industrias John Deere (Mexico S.A.) of Monterrey, Nuevo Leon, Mexico is a subsidiary of Deere & Company, worldwide business leader in the manufacturing and marketing of agricultural equipment. Through this subsidiary, John Deere has assembled, produced and marketed a wide variety of agricultural machinery in Mexico starting in 1955. Since then, John Deere has been an industry leader not only in terms of the quality of its products and services, but also for blending international production and design technology in order to meet the needs and requests of local producers. Currently, Industrias John Deere operates three plants, two in Monterrey and one in Saltillo, serving more than 140 distributors in Mexico and Central America. The John Deere philosophy is based on four core values: Quality, Commitment, Integrity and Innovation. For more information, visit: www.johndeere.com.mx.

Initiative for improving the plate and sheet cutting process

Industrias John Deere (IJD) has more than 30 pieces of cutting equipment for sheet and plate processing, and uses various types of CNC technology, such as laser cutting, high density plasma, conventional plasma, oxyfuel and punching. All the cut material is carbon steel, ranging from 1 mm (0.040 in.) to 57.15 mm (2.250 in.) in thickness.

As part of the continuous improvement process aiming to maximize profitability, IJD adopted an initiative for improving its plate and sheet cutting process.

One of the goals of this initiative was to find nesting software that provided better material utilization, ease of use, and the ability to support the different types of processes and machinery used by IJD.

Hypertherm ProNest beats the competition

After extensive testing of numerous cutting optimization software programs, IJD chose Hypertherm's ProNest because it was the all-in-one solution that the company had been looking for.

Another result of ProNest's implementation has been a decrease in the use of materials, an indicator that has improved by more than 20% since the program was first used by IJD more than 12 years ago.

Mr. Ignacio Mondragon, member of the Quality and Strategic Manufacturing Department and responsible for introducing ProNest to IJD, said: "The investment originally made to acquire the ProNest software was recovered in less than six months as a result of the savings obtained through better use of materials. Users of this tool are especially pleased by how easy it is to learn and use ProNest. In addition, the staff at Hypertherm's software team has always been very receptive to our needs; we have received excellent support and many of the suggestions that we have made for improving the software's functionality have been reflected in subsequent versions."

Hypertherm and ProNest are trademarks of Hypertherm Inc. and may be registered in the United States and/or other countries. All other trademarks are the properties of their respective owners.

One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers' success. We are always striving to become better environmental stewards; it is a process we care deeply about.

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