

Vision Engraving & Routing Systems



OVERVIEW

The largest manufacturer of engraving and CNC routing machines goes paperless with RFgen Mobile Foundations for SAP Business One.



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SNAPSHOT

INDUSTRY:

Industrial Machine
Manufacturing

ENVIRONMENT:

SAP Business One 9.1

APPLICATIONS:

- Custom Production
- Order Management

GOALS ACHIEVED

- 1 Eliminate 181-hours annually of walking paperwork around the warehouse.
- 2 Implement barcode scanners and tablets throughout the production process.
- 3 Reduce order processing time by 684-hours per year.
- 4 Save over \$22,500 per year, achieving a full return on investment in less than one year.

“RFgen has enabled us to achieve a paperless production process, saving us tens of thousands of dollars and nearly 60,000 sheets of paper each year.”

- Joe Ivanenok, Executive
Vision Engraving & Routing Systems

THE CHALLENGE

Vision Engraving & Routing Systems was using a heavily paper-based production order process. With up to 250 machines being built at any time, keeping up with the paperwork presented challenges for the production team. Workers spent too much time walking paperwork around the facility and waiting for paperwork to be manually entered into SAP Business One so they could move on to the next step in production. It could take hours to process paperwork into the ERP, leading to confusion about current inventory

levels. Vision Engraving & Routing Systems executive, Joe Ivanenok, wanted to eliminate paper from the production process to improve efficiency and accuracy, as well as reduce costs.

“Production Orders are created in SAP Business One from the bill of materials contained in the software. We print the electronic Production Order in SAP Business One for the assembly team to use in building the machines. The only time the information on the production order was correct



was at the moment it was printed, but most of the time, it would sit there for days before someone picked it up,” recalled Ivanenok.

He continued, “There was too much manual handwriting and walking paperwork to someone who processed it back into SAP Business One. If we had 10 people on the floor working on 10 production orders each day, we had to process 100 production orders and that’s time consuming.”

THE SOLUTION

To address these challenges, Ivanenok decided to implement barcode scanning and automate the production paperwork so it could be completed from tablets on the production floor. RFgen Mobile Foundations for SAP Business One enables businesses to implement wireless barcode scanning to support warehouse operations and order processing. RFgen

automates data collection and its integration is certified by SAP for SAP Business One version 9.1 and SAP HANA. RFgen deploys rapidly, leaves no footprint on the SAP Business One server and requires virtually no overhead to manage.

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- Joe Ivanenok, Executive
Vision Engraving & Routing Systems

Ivanenok’s goal was to have the RFgen software pay for itself within one year of deployment. “We were looking for a one year ROI, but I think we will definitely exceed that in the first year, based on the amount of time RFgen has saved everyone.”

Deployed on tablets with wireless barcode scanners, RFgen has automated every aspect of production order processing at Vision Engraving & Routing Systems. “We used to shuffle reams of paperwork. Now everyone at their production station has a Dell® tablet with a detachable keyboard. The tablets only

run RFgen and are on a wireless network. Workers are immediately connected to the RFgen server and our production process is now automated online in real-time.”

Armed with their RFgen-enabled tablets, production workers no longer need to walk paperwork around the building. That eliminated 181-hours annually of walking paperwork around the warehouse. RFgen has automated production order processing, saving another 684-hours per year. In total, Ivanenok calculated time savings worth \$15,586 each year. The company has also completely eliminated paper from the production process—an additional savings of \$6,957 in printing costs and nearly 60,000-sheets of paper saved.



ABOUT VISION ENGRAVING & ROUTING SYSTEMS

Vision Engraving & Routing Systems is the largest engraving machine manufacturer in North America. For more than 30 years, the company has produced rugged, reliable, low-maintenance engraving and CNC routing machines. Every machine is manufactured in the USA and delivered with superior customer service.