

Industry: Forming & Fabrication / Forging
Application: Turning
Material(s): Steel
Product(s): Power-Trof® Oscillating Conveyors, MagSep® Conveyors

Application Profile

FRISA

Situation

- FRISA built a new machine shop with over 30 vertical and horizontal lathes. In their existing facilities they utilized chip hoppers at each machine. With the new facility they wanted greater automation and cleanliness and the new machines required a higher volume of coolant utilizing a central coolant supply system.

Mayfran Solution

- Mayfran designed a Power-Trof system to collect the chips and turnings from the machine centers. The discharge of the chips utilized a hinged steel belt conveyor. To remove fines from the coolant we provided a MagSep Magnetic Drag Conveyor, including pumps to return up to 500 GPM of coolant to the main coolant tanks and filters.

Key Features

- The entire system allowed FRISA to have a cleaner floor without scrap boxes. In addition, the larger machine centers can be located closer, minimizing floor space requirements

Customer Benefits

- Increased production uptime was achieved due to the reduced need to change hoppers and clean out machines.
- Reduced forklift traffic and associated costs.

Outcome

- Most of the system has been installed and in operation, and two additional lines were added. FRISA has purchased a similar system for their facility in Detroit (Ringmaster).

