

APPLICATION PROFILE – AUTOMATED CHIP PROCESSING & OIL RECOVERY

INDUSTRY: Energy/Wind

MATERIAL(S): Steel

APPLICATION: Machining Centers, Gear Cutting

PRODUCT(S): Power-Trof® & Drag Conveyors, Wringer, Loadout

SITUATION

Hanson Transmission, who manufactures gearboxes for wind turbines, established facilities in Belgium and India and needed automated chip handling and processing solutions to support their machining centers with minimal labor costs.

MAYFRAN SOLUTION

An automated chip processing and handling system consisting of Power-Trof push bar conveyors, 140m long drag conveyor, VBU3000 centrifuge wringer to recover oil from gear cutting machines, and automatic loadout system separating scrap into two containers all controlled by a central PC.

CUSTOMER BENEFITS

- Automatic operation reduces labor, provides high production quality, and easy future expansions.
- No chip handling activities on the production floor which may interfere with automated material flow.
- Oil recovery secures a good return on investment.

OUTCOME

The high reliability of the Mayfran system operating on a 24/7 schedule allowed for low maintenance costs and avoids unplanned production stops.

