

**TRANCO - HIGH SPEED CUTTING MACHINE**

**ABB**

**Project Overview:**

The Tranco is a high-speed cutting machine that produces wound cores for transformers. Ceramic-coated steel is fed into the machine and is cut by a high speed shear to produce a wound lamination.

**Details:**

The system control uses 3 off PLCs communicating to Cimplicity HMI via Modbus RTU. Automation IT (Qld)'s extensive engineering and product knowledge was instrumental in this projects success.

The control system included:

- Software engineering
  - Stepper Motor Control
  - Core Weighing Station
  - Operator Interface
- Material Procurement
- MCC cubicle design and supply
- Factory Acceptance Testing
- PLC - GE Versamax
  - Koyo DL06
  - OCS controller
- SCADA - Cimplicity Plant Edition
- NETWORKS - Modbus

