



# IAS<sup>TM</sup>



## CASE STUDY: INDUSTRIAL EQUIPMENT

### *Fast Adaptation to Minimize Downtime*

#### **Background**

**International manufacturer**

**Previous IAS customer**

#### **Problem**

**Primary machine malfunction**

**No available service documentation**

**No replacement parts available**

#### **Solution**

**Adapted electrical control system**

**Higher-capacity equipment**

**Automated set-up**

**Increased efficiency**

#### **BACKGROUND**

An international manufacturer of quality custom brushes was doing well when they decided they needed an additional CNC machine for their staple brush production line. IAS had earlier been contracted to design the new staple brush machine for them and had completed the electrical control system when the manufacturer's primary machine (not IAS equipment) malfunctioned.

#### **PROBLEM**

This existing piece of equipment was an outdated machine and service documentation was no longer available. Unfortunately, replacement parts were not available either. With one of their main profit making centers non-operational and essentially unfixable through any conventional means, they needed an answer fast. IAS was called for a solution.

#### **SOLUTION**

IAS was able to quickly adapt the electrical control system designed for the future CNC staple brush machine into working with existing mechanical systems. Further, the overall efficiency of the process was greatly improved by using modern equipment capable of higher speeds. Finally, as part of a separate project, IAS was able to drastically decrease setup time for the machine by introducing software which automated equipment setup by taking key parameters directly from the relevant CAD drawing. The customer was able to restart full production within two weeks following the breakdown. Not only was downtime kept to a minimum, but the customer was also able to realize increased efficiency, ease of set-up and maintenance with the IAS solution.

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