Data-Trac
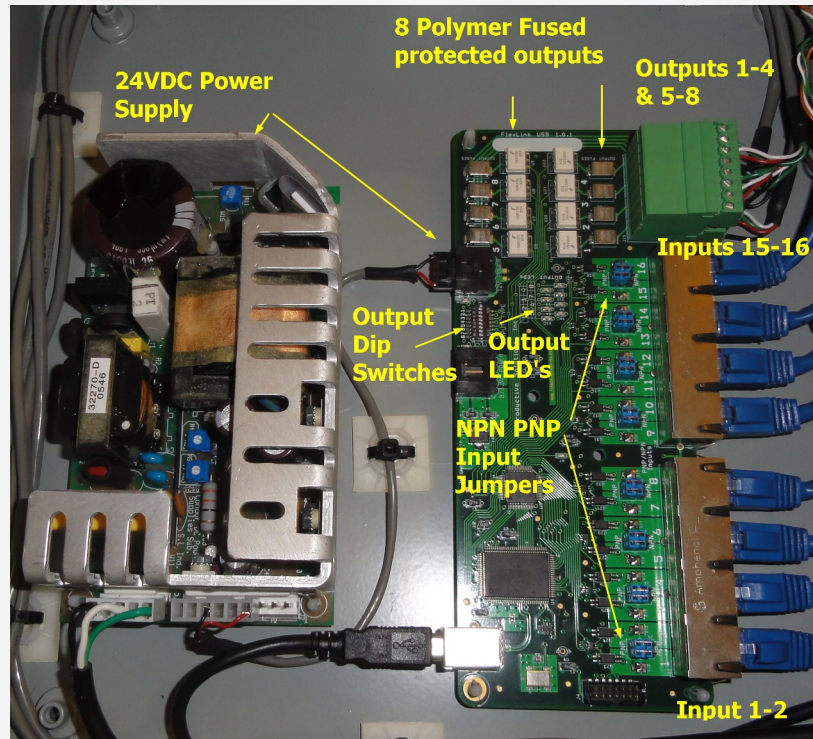## Data Integrity Production Control Systems

The

Advantage

of Data-Trac's

Flex-Link I/O Controls

The flexibility of the Data-Trac control system offers you quicker setups and easier troubleshooting which results in increased uptime. Our Flex-Link I/O Control Board was designed with your maintenance staff in mind. This proprietary component was design to allow for the inevitable. Simple things that mean a lot when integrating a machine, or debugging an issue in the field. Logical things like:

- **Switchable Jumpers for NPN or PNP sensor Inputs**
- **On board 24VDC power supply**
- **LED Indicators confirming input sensors are operating, both in hardware & software**
- **8 Outputs, individually switchable for Normally Open/Closed Circuits with LED Indicators**
- **Solid State Dry Contact closures for Outputs**

24VDC Power Supply • 8 Polymer Fused protected outputs • Outputs 1-4 & 5-8 • Inputs 15-16 • Output Dip Switches • Output LED's • NPN PNP Input Jumpers • Input 1-2

- **Polymer Fuses for easy short circuit detection and correction without fuse replacement requirements**
- **Compact design, fits almost anywhere**
- **On Board labeling reduces the need for documentation confirmation**

Make Every Solution….. Productive!

Productive Solutions, Inc.

7 Dell Road, Suite 100
Fairport, New York 14450

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Why Data-Trac ?

Compatible with most reader technologies you already own, including:
- Laser Barcode Readers
- 2D Readers
- OCR Systems
- Magnetic Stripe Readers
- Other Input Technologies

Add more readers when YOU need them, and BUY THEM YOURSELF!

An MIS Department's Dream Stores data in an SQL or CSV Format

Can even "push data" out to a local server!

Can monitor up to 16 Input from Sensors, Motors, Micro Switches, etc.

8 Output Channels either Normally OPEN or CLOSED can be controlled (Switchable!)

Multiple platforms depending upon your application speed requirements.

Minimal Setup or Software Training Required. Logical, Intuitive, with Built in Wizards for Job Set-Ups!

Field Proven with Billions of pieces already inspected!

Backed by the kind of APPLICATION EXPERIENCE you need to be successful.

STRATUS Job Reporting Compatible!

Data-Trac system is 100% compatible with our **STRATUS Job Integrity Reporting** solution.

STRATUS allows complete job tracking capabilities throughout your production facility. From order entry to shipment staging, **STRATUS** give you a portable view of your complete production stream. Data-Trac provides a true "**Piece Level Tracking**" component to **STRATUS**

Make Every Solution…..Productive!

Data-Trac

Data-Trac isn't your typical match system. Sure it can match, but it's so much more. More along the lines of exactly what your management team and customers have been looking for!

This is a Data Integrity & Reporting Platform that can drive your business forward towards more PROFIT! Everything you need for complete production control.

Modular in design, Data-Trac allows you to start small and expand as your applications grow.

Start simple with:
- 2 Reader Matching
- Sequence & Duplicate Checking

Add, whenever you want:
- Intelligent Selective Controls
- Diverting
- Database Look-up matching & controls
- Multiple Readers
- Intelligent Batching
- Reporting
- Read & Export

Data-Trac is designed with the **operator** in mind. Minimal training and setup requirements are all part of the total solution. This allows the operator to spend time running the process, not setting up the software.

Your **MIS Department** will love it! Push or Pull data with our embedded SQL Server Express. Record everything that happens in the process, with TIME STAMPS !

Have a complete view of your production facility.

Data-Trac Solutions includes:

Up to 4 Different Reader
Up to 16 Sensors Inputs
8 Output Controls such as:
 Stop
 Intelligent Divert
 Intelligent Batch Acceleration
 Sorting
 Selective Feeding

Inspection Tools for:

Logging (create a job database)
Matching
Matching Against a Database
Sequence Checking
Duplicate Checking
Batching
Read & Print with your printer

Database for Report Generation including:
Actual Reader Data
Time Stamps each piece
Errors results
Reader Results
Last Location of Piece Data
Data can be "pushed" to a local server

Data-Trac Hardware includes:

A Flex-Link© I/O Box
Intel Based PC
17" LCD Touch Screen Monitor
Monitor Arm
Industrial Keyboard with Touch Pad
Cabling and Mounting Hardware

Data-Trac is perfect for:

- **Match Affixing**
- **Recording Production Log Files**
- **Sequence Checking**
- **Duplicate Verification**
- **Intelligent Batching**
- **Intelligent Diverting**
- **Selective Feeding**
- **Read & Print with your printer**
- **Production Reporting**

Read & Print with Data-Trac:

Data-Trac allows you to use virtually any print technology you want to use. HP, DOD, MEK, it doesn't matter. If the controller has an RS-232 or Ethernet Input, Data-Trac provides the best solution.

Most print controller "buffer" data between print heads. Have a jam –up and you have to clear all the data between the input and the print head and restart.

Not with Data-Trac! We're your buffer! We read, filter and track the pieces from the reader down to one cycle before the print head. This solves real world production challenges like :

To Divert or Not ?

You can't afford not to Divert!

Many of our customers are torn between spending $$ to add a divert to their production lines. **Our advice, you're throwing money away by not purchasing the divert**. Here's why:

Errors happen two ways. A few pieces out of order, or everything is out of order.

Data-Trac follows each piece down the production line. We know what is good and bad before it goes off the machine.

- Jams
- Doubles
- Manual pulls, etc.

We handle the data appropriately. If the right piece is there one cycle before the print head, we stream the record data. If it's missing we do what you'd expect:

- Skip to the next correct record
- Record the appropriate pieces as missing
- The subsequent readers verify everything stays in sequence.

Just the way you'd design it yourself!
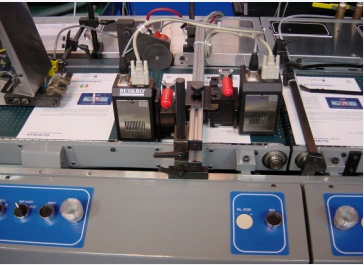
Stopping any process COSTS YOU MONEY!

Data-Trac allows you to set a limit for the number of errors in a row (No Reads, Mis-matching, Out of Sequence, etc.) We track to pieces and divert them in line at speed. Any more than that setting and we stop the machine.

This Intelligent Diverting feature can **add thousands of pieces** to your shift numbers, every shift   To Divert In-line is not an option.
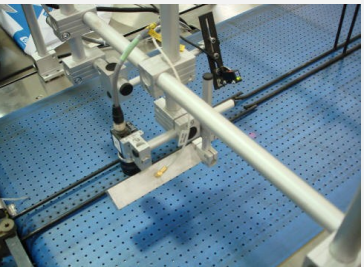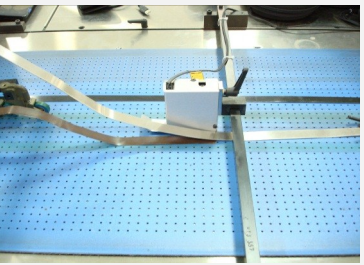
It's a necessity!

Matching
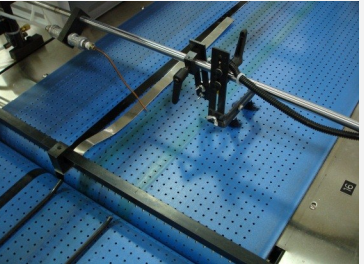

Read & Print

Camera Verification

Card Integrity Checking

Card Blow-off Sensor

Intelligent Diverting