



Drilling Technical Services

Custom Engineering

POPPS

Pre-Owned Press & Parts Solutions

Used Equipment & Converting Specialists



Company Profile



Mission Statement

Drilling Technical Services is a virtual engineering company with over 60 years of combined mechanical, electrical, and process engineering experience in wide and narrow web printing, drying, converting, and digital printing equipment specializing in web transportation solutions. Staff includes professional engineering as well as hands-on practical experience personnel.

At Drilling Technical Services, we work with our customers to meet their goals by providing science, engineering, and technology assistance service that result in innovative solutions to the challenging problems that affect the web-fed industry. Our clients have made us the contractor of choice because of our commitment to excellence, integrity, creativity, and timely, cost-effective solutions.

Pre-Owned Press and Parts Solution LLC is a virtual equipment and parts supply company with over 60 years of combined technical experience in wide and narrow web printing, drying, converting, and digital printing equipment specializing in evaluation, procurement, reconfiguration, integration, installation and start up of pre-owned equipment to provide process solutions. Custom process solutions may include a combination of new and used components.

Areas of Expertise

DTS:

Product design and development

- Design/CAD experience using AutoCad and Solid Works technology
- Problem solving through CAE software as well as prototype and model-making
- Solution includes critical path from concept to working prototype

Project management

- Total Project Responsibility: Engineering, Design, Procurement, Install and Start-up to Cost Goal
- Critical path scheduling methods
- Contractor management
- Post-project support

Automation and systems integration

- Process layout studies
- Ergonomic process studies
- Labor optimization
- Combined process studies

Manufacturing/process engineering

- Process improvement concepts
- Process machinery troubleshooting, including tram and alignment
- Machinery move coordination

Custom web drying systems

- Custom system for drying inks and coatings on film and extensible materials using gas and electric energy
- Energy recovery system to reduce utility costs
- Custom sheet metal design and fabrication



POPPS:

Project management

- Purchase specification and procurement planning
- Critical path to scheduling program
- Contractor coordination
- Post-project support

Manufacturing/process engineering solutions

- Process improvement concepts
- Process machinery troubleshooting, including tram and alignment
- Machinery move coordination

Business Evaluation, Sales, and Procurement

- Create buy/sell

Automation and systems integration

- Process layout studies
- Ergonomic process studies
- Labor optimization
- Combined process studies

Custom web drying systems

- Custom system for drying inks and coatings on film and extensible materials using gas and electric energy
- Energy recovery system to reduce utility costs
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DTS Recent Projects

- QC MOD CUT Die Cutting & Finishing Systems With Quick Change Cassettes
- RFID custom process solution
- Continuous folding carton processing system
- Automated quick change folding carton stacker
- Digital die cutting systems
- Low Cost Printing & Converting work cell systems with refurbished pre-owned components

Custom Configurable (Modular) Die Cutting & Finishing Systems With Quick Change Cassettes

For Processing:

- Laminates
- Tags
- Board
- Films
- IML
- SPL Substrates

Finishing To:

- Stacks
- Rolls
- Buffer System
- Robotic Palletizing



Examples of RFID transponders



95 (w) x 8.2 (h) mm



40.7 (w) x 25.2 (h) mm

RFID Reader



POPPS Recent Projects

- ✓ Created a used press solution using customer specifications for a combination flexo/rotary screen press for label converting. Ten color 16” “chill drum” press reconfigured to include 1 Stork rotary screen unit, 3 new GEW UV curing units, full die cutting and matrix rewind added. (Have an idea? We have two more an 18” “chill drum” press on hand.)
- ✓ Complete the sale of a Nilpeter MO 3300 13” wide combination offset, flexo, and rotary screen label press. This was the first sale of a used Nilpeter offset press in North America. (Sorry you missed this opportunity – you can have the second used Nilpeter MO 3300 – call us for details)



Completed project, Comco Proglide





DTS & POPPS Team

Joseph Drilling, P.E. - President: *former director of engineering at Comco; has over 32 years of experience in product and process development*

Steve Mustain, P.E. – Senior Project Engineer: *over 25 years automation and machine design experience with local companies, including R.A. Jones, Remtec and Lockwood Greene.*

Mario Romano - Manager of Service: *former service technician for Gallus North America and advanced product development technician for Comco.*

Greg Landers - Service and Printing Technician: *experienced printing and assembly technician formerly with Comco.*

Tim Beitz - Process Development Engineer: *former Electrical Engineering Manager at Comco*



Contact Information

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Welcome to DTS & POPPS!

