

# Command Performance

Listen ~ Learn ~ Lead™

## Growth through Innovation: Choose CMD as Your Technology Partner

CMD welcomes the opportunity to partner with companies in the quest to develop new technology. Collaborative agreements can be customized for each client. Clients can be assured of our experience with intellectual property and know that we offer a seasoned team of product development specialists. Every approach can be customized to client specifications. Technology partnerships can take on many forms including, but not limited to:



- You have an idea and would like it implemented
- You have a package, bag or pouch design and need the equipment upon which to manufacture it
- You want to capitalize on new industry technologies, like end-line automation or sustainable film blends
- You need customized equipment to make a unique product
- You want equipment re-designed for unique performance requirements
- You have ideas for greater equipment efficiencies and process control and want them designed and implemented

CMD offers a team of professionals skilled in a variety of disciplines and experienced in a broad range of industries. This broad-base of focused skills includes electrical engineering, controls and programming, web handling, sealing, equipment speed and performance specialists, process control experts and automation specialists.

Business experts agree that advancing the technology of your process or product is the best way to secure a profitable position in the marketplace. Count on CMD for the resources and experience to partner with you in the *passionate pursuit of technology*.



### CMD Resources Focused On Innovation:

- Experienced Technology Teams
- Expert R&D Project Management
- 45,000 Sq. Ft. Technology Center
- Confidential and Secure Product Development Process and Facilities



*"I wanted to take this opportunity to let you know that I have been extremely pleased with the level of service I have received from CMD Corporation, and specifically, with Jeff Otto. In today's competitive environment, I need equipment and service I can count on, not only to meet the ever-changing demands of my customers, but the ability to stay ahead of my competition. Over the last few months, CMD has demonstrated the ability to help me in these areas and has reinforced, Listen, Learn, Lead<sup>TM</sup>."*

*Gary P. Kooper  
VP of Operations  
Phoenix Manufacturing & Recycling*

*We thank Gary for the nice letter.*

*CMD parts and service technicians are delighted to help our customers! We continually search for new ways to help you keep running, improve efficiency and save money, downtime and labor.*

*Because it's more than parts or service. It's more than training or phone-service support. It's getting a part out to you on the weekend when you might have otherwise had to shut a line down. It's working with you on your process efficiency to get the most product out, at the high quality your customers expect.*

*In this spirit, we have developed a series of upgrade kits to add the latest technology to your existing CMD equipment. CMD upgrade kits let you leverage the robust reliability of your CMD equipment and continue to amortize it over many more years, while enjoying some of the benefits of newer models. Over the course of the next few months, we will contact you with information on available upgrade kits. To be added to the distribution list, just contact us at [CMDparts@cmd-corp.com](mailto:CMDparts@cmd-corp.com) or call us at: 1-800-626-0210.*



Trisha Young-Olsen  
Parts Manager



Jay Heinz  
Parts Coordinator



Jim Kading  
Parts Coordinator



Jeff Otto  
Parts Coordinator



Dick Sommers  
Parts Coordinator

# Important Announcement



CMD Technical Services Manager, Brad Schmoll, has taken an official leave of absence beginning March 1, 2008. Brad, a long-time member of the U.S. Army Reserves, has been called up for active duty. CMD is extremely proud of Brad and his dedication to his country. We look forward to his safe return.



Chuck Sauder, P.E., will take on the role as temporary Technical Services Manager in Brad's absence. Chuck has worked in engineering and project management positions with CMD from 1990-1997 and from 2004 until present.



Please feel free to mail or phone with  
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## UPGRADE BULLETIN: Model 1552ED Polybag Machine

It is our mission to continually improve and upgrade our systems. CMD upgrades offer the benefit of new designs and technology without the expense of replacing equipment.

### **NEW Side Seal Bar**

Improve your heat zone with a new, insulated notch bar design along with thermocouple mounting enhancements that provide consistent heat control across the web.

#### **Side Seal Bar Kit with Insulated Notch Bar**

CMD will rework your existing seal bars to our current standard (one kit needed per bar.)

#### **Side Seal Bar Upgrade with Insulated Notch Bar**

Provides parts and directions for you to rework your old seal bars to our current standard (one kit needed per bar.)

### **V Board and Filler Plate Upgrade**

Reduce perf skew! This kit can be added to the first and second folds to reduce air entrapment between folds.

### **Outfeed Nip Roll Kit**

Maintain drive ratios and a positive nip by reconfiguring the outfeed nip rolls. Includes easy installation instructions.

### **Push Pull Knife Assembly**

New knife assembly makes adjustments easier and provides a better perforation.

### **Inverted Third Fold Assembly**

Add a third fold to reduce air entrapment found in traditional folding. The third fold configuration also allows for shorter final rolls.

### **V Fold Counter Kit**

Adds a counter to each V fold for an easier and more repeatable set-up. Includes three counters.

### **Chill Roll Upgrade**

The air loaded nip maintains uniform and consistent pressure to reduce film slippage.



*Robust 1552ED Rotary Bag Machines provide years of reliable service. Update your 1552EDs with kits that enhance production and operating efficiency!*

## The 5213ED High-Speed Polybag Machine High Performance ~ Reliable Product Quality

When it came time to review the design of the 5000ED Series of extended-dwell bag machines, Paul Johnson, CMD senior electrical engineer, summed up our goals:

*"We strive to design the most intuitive equipment. This improves the manufacturing process for our customers so they can get production up and running quickly, operate their machine at faster rates, and deliver a consistently high-quality end product. The challenge for us is to provide all of this value without increasing the machine's final selling price."*

CMD met this challenge with the Model 5213ED Rotary Polybag System: a new generation of extended-dwell machines designed with safety, high performance and operator ease in mind. The company worked with Rockwell Automation to find a solution that would address the need to enhance performance quality and usability and reduce delivery time without increasing the price of the machine.

CMD sought a platform that would be energy and cost-efficient for the three-axis 5213ED and selected the Allen-Bradley CompactLogix™ Programmable Automation Controller (PAC).

CMD also enhanced the usability of the machine by implementing an Allen-Bradley PanelView™ Plus operator

interface, which allows maintenance personnel to monitor the servo axes in real time, and to identify and diagnose any problems.

*"All of our new control, motion, networking, visualization and information technologies are part of the Rockwell Automation Integrated Architecture™,"* said Johnson. *"Having a fully integrated and scalable automation solution was the primary enabler for us to address cost, time, quality and usability challenges."*

Kinetix integrated motion solution provides reliable and repeatable performance that helps save downtime, achieve higher throughput and improve product quality.

Getting a new machine up and running quickly is a prime consideration for customers. CMD estimates that the commissioning time of the 5213ED - from power-up to a complete first cycle - has been at least cut in half, offering a reliable, out-of-the-box solution.

*"In the end, it's about helping our customers achieve reliable processes and consistently meet production and quality targets,"* said Johnson.

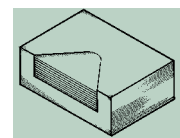
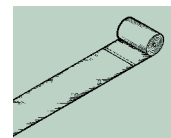


### Safety Features

- CE compliant
- Motorized lay-on roll adjustment through touch screen
- Hinged guards
- Hinged gull-wing top guards with windows
- Interlocked safety switches
- Pulleys painted orange
- Chill roll is mechanically adjusted while guard is in place
- Knife section is fully guarded for safety

### Application Information

The Model 5213ED Polybag Machine can run in-line with an extruder or out-of-line with an unwind and can be configured in line with most bag winders or folders. A popular application for the compact 5213ED is high-speed converting of star-sealed bags and liners.



# Making a Difference ~ Providing Support

## PDI team hits the road

### Control System Support

When CMD initially met with PDI customers, we discovered that many were concerned about finding support for the MTS control systems on their PDI equipment. CMD was able to utilize its electrical engineering expertise to go into the field and solve common issues with the MTS control systems, including:

- Programming assistance
- Providing spare computer control cards
- Providing motors and amplifiers

Customers reported complete satisfaction and have come to appreciate the ready support available from the PDI Team at CMD.



### Training

In talking with PDI customers, CMD discovered that employee turnover was a big issue and that process and productivity problems could often be linked back to a training need. Utilizing the specialized skills and education of the PDI team applications and service specialists, CMD provided training for production personnel to customers. This training and troubleshooting brought their PDI equipment back up to proper efficiencies; in some instances output was increased by 100% and more. PDI equipment offers intelligent, efficient design and robust construction. With proper maintenance and training, PDI equipment can out-perform and outlast any pouch machine on the market today.



### Parts and Upgrades

Markets change and so do your production needs. The PDI team discovered that new needs had emerged among some customers, who required modifications in order to use their PDI equipment to full capacity. CMD used mechanical and electrical engineering resources to develop retrofit kits that configured the equipment to run a new process. This level of support saved the customer hundreds of thousands of dollars over the cost of buying a new machine. CMD also offers a full range of PDI parts, knife upgrade kits, drawrolls, zipper sealing system parts, seal bars, sealing dies and more. Knowledgeable, in-house parts specialists will work with you to efficiently identify and deliver your parts.



### The PDI Team

You can rely on knowledgeable, effective PDI support from CMD. Our resources include a highly-skilled group of engineers, technicians and support professionals.

The following core team is only a small portion of the skill set available. Call today for more information on maintenance programs, upgrade kits and equipment-efficiency consultations.

1-800-626-0210  
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info@cmd-corp.com

**Dave Dytchkowskyj**  
Pouch Product Line Manager

**Scott Grasse, P.E.**  
Pouch Project Manager  
-Team of Electrical Engineers  
-Team of Mechanical Engineers

**Chuck Sauder**  
Technical Services Manager  
-Team of Technical Representatives

**Margaret Valinski**  
Inside Sales Manager

**Trisha Young-Olsen**  
Spare Parts Manager  
-Team of Parts Specialists



\*All PDI software and source codes are copyrighted and owned by CMD.

# Introducing the CMD Global Bag Machine: *High performance in an efficient, compact package*

The CMD Model 1270GBM Global Bag Machine is designed to provide exceptional processing speeds of 600 fpm (183 mpm), in a space, labor and cost-saving compact design.

The reduced footprint allows the 1270GBM to fit in either an enclosed semi-trailer or conventional ocean container for economical shipping. The inventive design provides maintenance, operator and process efficiencies, including:

- Easier to thread with shortened film path, easy-to-reach V-boards and convenient, swing-down step
- Clear guarding allows for safe visibility of machine in operation
- Easy access to both sides of machine for adjustments and maintenance
- Simple to access and maintain seal bars
- Easy to reach the push-pull adjustable servo knife and perf-to-seal sensing device
- Inverted third fold reduces air entrapment in web
- Strong frame for smooth, robust operation
- Dynamically-balanced rolls rated to 750 fpm for reduced machine vibration
- Lay-on Roll with motorized position adjustment to allow for sealing under zero tension
- More sealing dwell time for sealing thicker and/or larger bags



## 1270GBM Offers Flexible Converting Solutions

### Upstream equipment:

Runs in-line with film extruder or out-of-line from optional integrated parent-roll unwind.

### Downstream equipment:

Designed to run with bag winders or folders including CMD overlap winders and CMD triple bag folder. Integrates well with CMD rolled or folded auto-packaging systems.

### Converts a wide range of bag sizes:

Side or bottom seal, in a variety of HDPE, LDPE, LLDPE and MDPE film gauges

### Seal repeats:

15 in (381mm) minimum

147 in (3734 mm) maximum



*The CMD Model 0305GOW Global Overlap Winder meets CE standards and features optional roll banding*

### Intelligent Design:

- Meets CE standards
- Meets EMC directive
- Medium metric design standard with more globally sourced components

### Operator Friendly:

- Color touch screen with menu save-able recipes
- Optional phone modem allows for remote online machine access
- Casters allow machine to be easily moved
- Large guard doors enhance accessibility

**Contact CMD Sales at 1-800-626-0210, or 1-920-730-6888 or [info@cmd-corp.com](mailto:info@cmd-corp.com) for more information!**



## CMD Exhibits Global Drawtape System and Global Overlap Bag Winder at Record-Breaking K-2007 Exhibition



The #1 International Trade Show for Plastics Worldwide bustled with visitors from 52 countries. The 17 halls were filled with exhibitions of every sort - showcasing the newest in technology from nanocomposites to giant extruders and robots for packaging automation. It was a momentous occasion that a CMD 1270GDS Global Drawtape System with

0305GOW Global Overlap Winder shipped directly from the show to a Bulgarian customer. CMD demonstrated Overlap Drawtape Bagmaking at 600+ fpm in several different film blends. Stand traffic was heavy and interest was strong for both converting and pouchmaking equipment.

### K-Stats

October 24-31, 2007  
Dusseldorf, Germany  
Number of Halls: 17  
Number of Exhibitors: 3,130  
Number of Visitors: 242,000

55% visitors from Europe  
45% visitors from overseas  
Attendance up 11,000  
from 2004



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## 2008 Trade Exhibitions

 **EQUIPLAST**

**20-24 October 2008**

**Sequiplast - Stand B260  
Gran Via Exhibition Centre  
Barcelona, Spain**

 **Chinaplas 2008**  
The 22<sup>nd</sup> International Exhibition on Plastics and Rubber Industries

**See Us At Chinaplas 2008!  
17-20 April 2008  
Stand W1F63  
Shanghai**



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### PAPER OR ELECTRONIC?

Would you prefer to receive

*Command Performance* as an e-newsletter?

Contact us at [info@cmd-corp.com](mailto:info@cmd-corp.com) and type "e-newsletter" in the subject line to sign up!

## World-Class Equipment. Exceptional Support.

### CONVERTING EQUIPMENT

#### BAG & POUCH MAKING

- High-Speed Rotary Bag Machines
- PDI® Pre-Made Pouch Systems
- Bottomseal Bag Systems

### WINDERS & FOLDERS

- Rotary Overlap Bag Winders
- Turret Film and Bag Winders
- Coreless Bag Winders
- Plastic Sheeting Winders
- High-Speed Polybag Folders

### UNWINDS

- Surface-Driven Unwinds
- Center-Driven Unwinds
- Unwind Stands

### COMPLEMENTARY EQUIPMENT

- Drawtape Bag Equipment
- Bubble Slit Sealers
- Bubble Post Gusseters
- Rotary Die Cutters
- Sine Wave Cutters
- M.A.L.I. Hole Punches
- Package Automation Equipment

### PACKAGING EQUIPMENT

#### VFFS TECHNOLOGY

- Custom Projects
- VFFS Upgrades
- System Integration Services

### TECHNOLOGY CENTER

- New, Dedicated Facility
- R&D Engineering Team
- Proprietary Projects
- Rapid Product Development

### CMD SALES TEAM

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VFFS Equipment  
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