

April 2022

# Plastics

## HOTLINE

rdgmedia  
PUBLICATION

In This Issue: Tederic North American Machinery, Inc. 16 | Cold Shot Chillers 15 | Ar-Bee Transparent 15 | Facts, Inc. 14

### A WIDE RANGE OF SOLUTIONS To Monitor Level, Flow & Moisture



Providing solutions  
for over 60 years!



**Point Level  
Indication**



**Continuous Level &  
Inventory Measurement**



**In-Line Mass Flow  
Measurement**



**In-Line Moisture  
Measurement**

Monitor Technologies LLC is dedicated to offering practical solutions that ensure efficiency and maximize profits relating to the storage and processing of powders / bulk solids as well as some liquids & slurries. *Let us put our solutions to work for you!*

- Continuous level measurement sensors and the latest remote material inventory management solutions
- High, low and/or intermediate point level indication of stored materials
- Provide silo overfill protection and plugged chute detection
- Turn "on" or "off" other processes based on the detected presence or non-presence of material
- In-line mass flow measurement & moisture measurement systems easily incorporated into existing processes

### DURABILITY, VERSATILITY & RELIABILITY

## DuraVibe™

### Next Generation Vibratory Level Sensors for Powders & Bulk Solids



Prevents  
material  
build-up  
Diamond-  
Shape  
Single  
Probe

No  
Calibration

#### DuraVibe™ Model PZP

- ✓ Superior durability with industry-leading probe strength!
- ✓ Excellent versatility detects very light to heavy materials
- ✓ Unaffected by varying material compositions (temp, moisture, etc.)
- ✓ Ultimate hazardous location protection with intrinsically-safe probe
- ✓ External status LED (Ord. Loc. units)
- ✓ Pipe extension, cable extension and high-temp units are available

#### DuraVibe™ Model VibraRod™

- ✓ Versatile & durable, yet economical
- ✓ Unaffected by varying material compositions (temperature, moisture, etc.)
- ✓ Single probe design prevents false signaling from material build-up
- ✓ Ultimate hazardous location protection with intrinsically-safe probe
- ✓ External status LED (Ord. Loc. units)



No  
Calibration

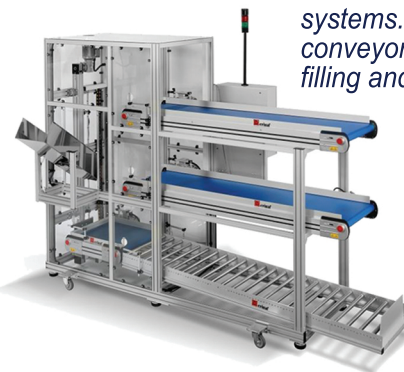
Single  
Probe  
Design

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## BETTER in Maintenance, Repair and Operations



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innovative slow speed grinding



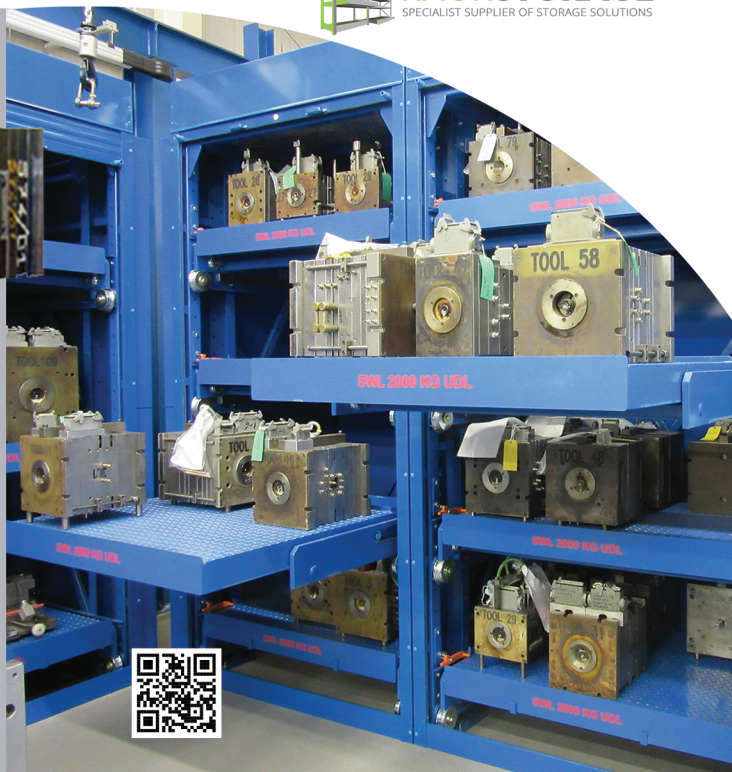
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the molding industry



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ENERGY USED TO DRY MATERIAL

Desiccant  
Dryer

**\$7,128\*** ANNUAL COST  
TO DRY MATERIAL

**45**  
watts/lb/hr

ULTRA<sup>®</sup>  
Dryer

**4**  
watts/lb/hr

**\$634\*** ANNUAL COST  
TO DRY MATERIAL

\*Based on 220 pounds per hour, 6000 hours per year, kW cost at national average of \$0.12 per kW, measured at 80% of rated max throughput. This chart shows the **excess energy** required to **dry** the material.



## DRY BETTER

WITH

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## QUICKSHOTS

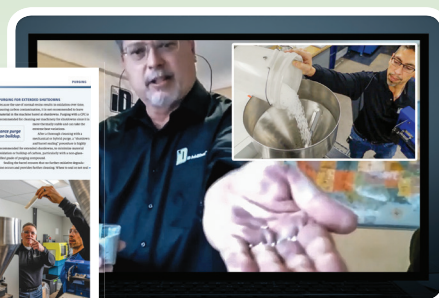
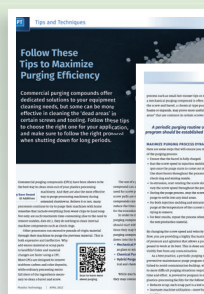
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# The 2022 Buyers' Guide will be out this summer

## Have you signed up to be listed yet?

# Plastics

## HOTLINE

**The 2022 Buyers' Guide will be included in the August Print & Digital Issue**

Receive a FREE Basic Listing + Logo if you run an ad in the August 2022 issue. **Deadline for a Buyers' Guide Listing is July 29, 2022.**

### Be Listed as a **FEATURED SUPPLIER** in Plastic Hotline's 2022 Buyers' Guide!

Be part of our Featured Suppliers alpha section at the beginning of the printed (and digital) edition in August with your company name, logo, 30 word description, phone, and email of your choice + additional exposure as a Featured Supplier in our Buyers' Guide Digital Edition eblast!

Add-On to one of the packages below: **\$150**

### 2022 Buyers' Guide Print & Online Listing Packages:

#### BASIC LISTING:

- Includes company name, address, phone/fax, URL
- Listed in up to 3 product categories
- [View a sample on our Online Buyers' Guide](#)

**Total: \$75/12 month package**

#### DELUXE LISTING:

- Basic listing plus...
- Boldface listing in print and online
- Logo in print & digital edition of August Annual Buyers' Guide issue
- Unlimited product categories in print & online
- Social media graphics in your listing with links
- Your video in online listing for a year
- [View a sample on our Online Buyers' Guide](#)

**Total: \$195/12 month package**

#### THE BEST LISTING:

- Deluxe listing plus...
- Company description online (up to 300 words)
- Appear at the top of all buyers' guide categories when searching
- 2 product images in your online buyers' guide listing
- 2 spec sheets in your online buyers' guide listing
- 2 videos in your online buyers' guide listing

**Total: \$395/12 month package**

### Buyers' Guide Add-On:

#### ADD COMPANY LOGO

- Your company logo in product categories
- Located in both print and digital Buyers' Guide

**\$95** (each add'l one is \$75))

All Buyers' Guide packages include a listing on our website for one year and a listing in our August 2022 print and digital issue.

### How Do I Get Listed?

**Contact Lydia to make sure your company is listed in the 2022 Buyers' Guide.**

Lydia Stewart  
[lydia@plasticshotline.com](mailto:lydia@plasticshotline.com) • 248-972-5167



# INNOVATIVE ROBOTICS LINE FOR PLASTICS INJECTION MOLDING !

## H5 Series !

Heavy Payload , Low ceiling !



## H5 SERIES

- Molding Machine Size : 750 ~ 4,000 Tons
- Full Servo Robot up with 5 Axis AC Digital Servo.
- Industry First !. raverse ( 1 Axis ) + Articulated Robot ( 4 Axis )
- Heavy Payload, Low ceiling & Less foot print
- Application : Basic Take out, Stacking, Insert Over Molding, Gate cutting, 2ndary automation!
- Features : High Strength Steel Frame, Powerful AC servo Motor, High Precision NSK Liner Motion Guide.

## H5-C10 Controller

- 7" Wide Touch Screen
- ARM Cortex-A8 CPU, DDR2 512 MB
- Body Attached I.O box
- High-Performance EtherCAT Communication
- User-Friendly Icon-Based Control Screen.
- Developed with 30 years experience in the plastics molding industry.
- CE Certified Components, ISO 9001 Quality Production.

## EPIK SERIES ( Single or Double Arm Model )

- Molding Machine Size : 200 ~ 800 Tons
- Single or Double Arm Model ( 3~7 Axis AC Servo Control )
- Control : HYK-70 ( Keba ) Controller
- Application : Basic Take out, Stacking, Insert Over Molding, In Mold Labeling and Other 2ndary Automation, Sprue Picking
- Features : High Strength Steel Frame, High Strength AC servo Motor, Low Noise NSK Liner Motion Guide

## HYK-70 ( KEBA ) Controller

- 7" Wide Touch Screen
- 1.2 GHz, ARM Cortex-A9 Core
- Ergonomic Design,
- High-Performance EtherCAT Communication
- High Quality Components, ISO 9001 Quality Production.
- User-Friendly Icon-Based Control Screen.
- Mode and teaching type programming for beginner mode
- Line by line programming for expert mode

ISO9001 QUALITY

CE CERTIFIED



## EPIK-W SERIES ( Flat Front Style Robot )

- Molding Machine Size : 400 ~ 4,000 Tons
- Flat Front style Robot with Single Arm Model
- Control : HYK-70 ( KEBA ) Controller
- Application : Basic Take out, Stacking, Insert Over Molding, In Mold Labeling and Other 2ndary Automation.
- Features : Longer parts handling, Low ceiling.

## UNIK- SERIES ( Mini Servo Robot)

- Molding Machine Size : 50 ~ 200 Tons
- Single or Double Arm Model
- Control : HYK-70 ( KEBA ) Controller
- Application : Take out, Stacking, Gate cutting, 2ndary Automation, Light Application.



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Progressive's new v14 Catalog continues with advancements for molders and mold builders:

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- Tight tolerances for efficient mold assembly
- Maximum performance for mold productivity

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- washing systems
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- size reduction equipment



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## Take Control of your Mold Cooling

**Balance and optimize cooling flow rates for predictable results.**

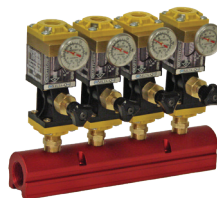
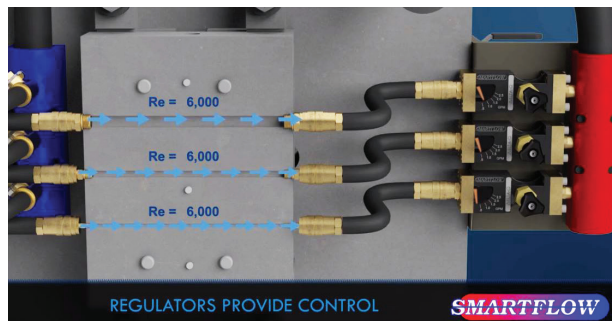
Balanced and optimized flow rates provide control and:

- Shorten cycle times
- Produce consistent part quality
- Conserve mold cooling water and pumping energy
- Improve process efficiency by eliminating hot spots

Bubblers and baffles inside an injection mold can restrict flow in mold cooling lines, causing unbalanced flow rates.

Unbalanced flow may result in uneven cooling, inconsistent molded part quality and inefficient molding.

***Smartflow flowmeters and flow regulators can help balance flow rates and equalize Reynolds Numbers in the cooling water lines of your injection molds.***



***Follow the QR Code to Watch the Flow Balancing Animation on YouTube.***

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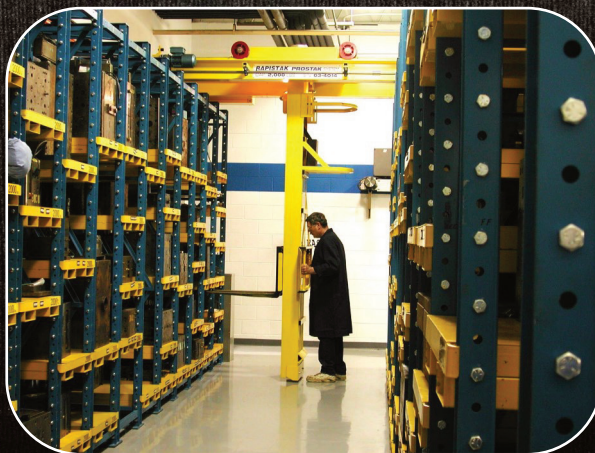
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- \* Become better organized
- \* Protect your investment
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- \* Create a safer working environment

To this!



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# Champions

in Plastics

# Plastics

## HOTLINE

[www.plasticshotline.com/champions](http://www.plasticshotline.com/champions)

Plastics Hotline would like to thank each of these companies for participating in our first Champions in Plastics Program. Please visit their online profiles at [www.plasticshotline.com/champions](http://www.plasticshotline.com/champions) and see how each company is a Champion in Plastics!

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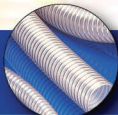
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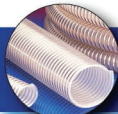
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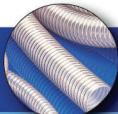
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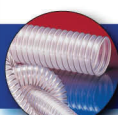
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- (40) 10x12 Nelmor 10 HP
- (10) B&J BP27, BP32
- (6) Cumberland 1215
- (110) Nelmor 1215, 1220
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- (5) Conair CG1418, 1424
- (1) Rapid 1418K
- (2) 14x20 Cumberland 20 HP
- (14) Cumberland 284, 484, 584, 684
- (4) Cumberland 1426L, 60 HP
- (5) Nelmor 1436 w/Feedrolls, 1454
- (5) 24B Cumberland 75 HP
- (4) Cumberland 1456, 56U
- (8) Cumberland 1616, 1620, 1628
- (6) Nelmor 1620, 1624, 1628
- (4) 28B Cumberland 75 HP
- (7) Rapid 1824, 1831, W-1836
- (4) Nelmor 1820, 2020
- (2) Cumberland 1836
- (6) 37B Cumberland 37H
- (1) CMG 1842I
- (1) Granutech 2048, 100HP
- (2) Cumberland 50B, 72B
- (2) Cumberland 2428I
- Cumberland Model 80, 81
- (5) Rapid Model 2442R, M, H
- Ball & Jewel 3030 (100 HP)
- 26x80 Condux 150 HP
- (3) Nelmor 3036, 3048
- (2) Cumberland 3250
- (1) Condux CV-50 Compactor

### SHREDDERS

- (1) Vecoplan RG62
- (2) ShredTech ST 10
- ShredPax AZ-80
- Mitts & Merrill 2-Shaft Shredder
- ShredTec 30"x52" Shredder

### THERMOFORMING LINES

- (1) Brown CS-4500, 1995 w/Trim Press
- Brown Trim Presses: T-301, T-340, T-360
- Lyle 40"x40", 50"x50"

### TEMP. CTRL., UNITS CHILLERS

- (7) Sterlco 12 KW Oil Unit
- (6) Thermocare 2, 3 Ton
- Advantage 12KW Oil, 10 KW Water

### PELLETIZERS

- (12) Cumberland 6", 8", 11", 14", 20"
- (3) Conair T208
- (3) Automatik Sphero 220
- (1) Sheer Bay B20-P long cut
- (3) Witte Screeners

- (2) Crown Spin Dryers
- Sweco 18" & 30" Screeners
- (1) Carter Day Spin Dryer

### DRYERS

- (25) Conair CD30, CD100, CS101, CD-200, CD-300, CD-600
- (1) Novatec Novadrier N-150R Unitized
- Una-Dyne DHD-8, DHD-25 w/Hoppers
- (1) Novatec MPC 1000 Dryer

### EXTRUDERS AND LINES

- Leistritz 27mm
- Berstorff 25mm
- (5) 1" Wayne Extruder, Killion
- (3) Davis Standard 1 1/2"
- (3) Davis Standard 2.5" 32:1, 24:1
- Davis Standard 3" 24:1, 30:1
- Davis Standard 3 1/2" 24:1, 30:1
- 3 1/2" Egan Extruder 30:1
- PTI 4" Extruder
- 6" CDL Extruder, Vented, 30:1
- 6 1/2" Davis Standard 27:1, 1999
- (45) Sheet Dies 4"-89" Width
- (6) EDI 20" PVC Siding Dies
- Davis Standard 52" 18x30x30 Roll Stack
- 24"x50" PTI Roll Stack
- 6" 30:1 Prodex
- 78" PTI Sheet Line
- Davis Standard 4 1/2" 24:1

### JUST ARRIVED:

- 24"x60" Gloucester 3-Roll Stack
- Nelmor Shredder/Grinder Combo
- Nelmor 2030 Granulator
- (2) Maxon SDFK 67" Sheeter
- (2) BD Plast 300mm Screen Changer
- 600 HP 460V AC Motor (unused)
- B&J VG2257 Granulator
- Pallman PS6-6 Rubber Bale Grinder
- (3) Cumberland 1456 w/ Pull Rolls
- Granutech 3648, 125 HP
- (3) 250 Cubic Feet, SS Ribbon Blenders
- W&P 20mm, 40mm & 83mm Twinscrew Extruders
- Parkinson Series 50, 60" Winder
- 200 HP Champion Hammermill
- CME C5 Cooler
- Herbold SMS 45/160 H5-2
- (1) Proceadyne TCF-2430 FD
- Rosenthal Sheeters 36", 60", 72"

### PIPE & PROFILE EQUIPMENT

- S.I.C.A. 10" Planetary Saw
- Battenfeld Upcut Saw
- Battenfeld 6"x56" Puller
- Conair MT-104-22-5 Vacuum Tank

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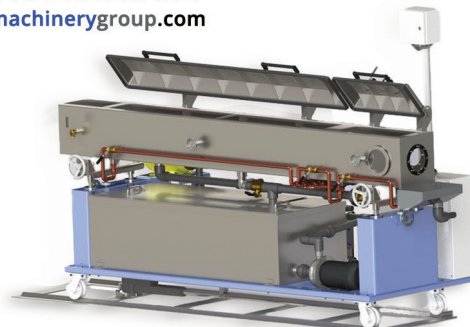
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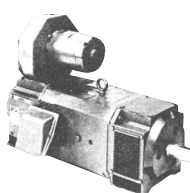
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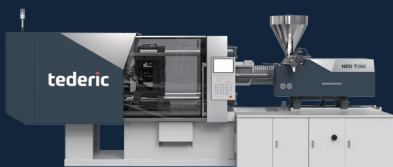
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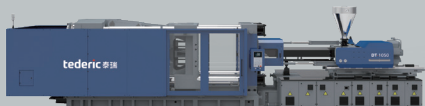
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