

September 2021

Plastics

HOTLINE

rdgmedia
PUBLICATION

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“Eco-Pro will keep your cooling lines clean and your molds running better!”

Steve Johnson, President, MoldTrax Maintenance Solutions



Eco-PR 360

The Eco Pro 360 is quickly becoming a “shop favorite” tool due to its ease of use and cleaning performance. Many of our course molds arrive with water lines that are plugged with rust, mineral deposits and just general crud. The Eco Pro makes quick work of these no matter the level of contamination. We highly recommend the Eco Pro as a “must have” shop tool that will keep your cooling lines clean and your molds running better!

Steve Johnson, President,
MoldTrax Maintenance Solutions



Mold Core BEFORE



Mold Core AFTER

Non-Hazardous Flushing System for Cleaning Cooling Passages

- **Safe** rust remover and preventative
- **Reusable** iD Eco-Pro 360 Solution
- **No Electrical Needed** – Runs Off Compressed Air!

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watts/lb/hr

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\$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.



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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.



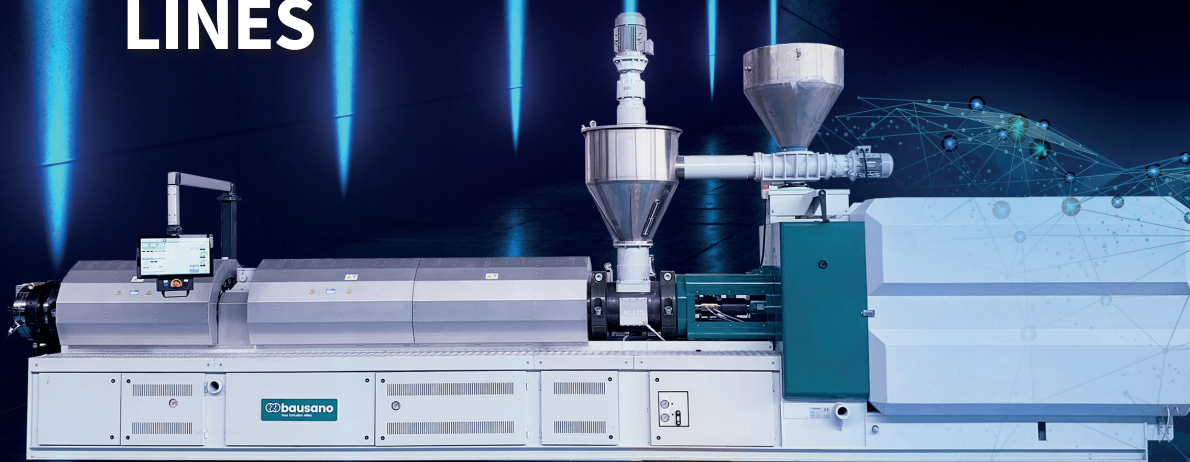
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ROSEMONT, IL
September 21-23, 2021
Booth E-220

Greater **durability, exceptional performance and great energy savings** thanks to the revolutionary **transmission system** with two intermeshing and **counter-rotating screws**, patented by Bausano.

Up to 35% less power consumption thanks to the innovative I.E.4 motors, **Smart Energy System** and real-time energy analysis of the entire system with the **Digital Extruder Control system**.

The key to success of our products is customization: from electric or electronic to mechanical components, from touch-screen monitors to appearance of elements and lines, everything is shaped around the special needs of the customer. **Each extruder is unique**, even different from the others belonging to the same series. What never changes is the ability to optimize production, cutting down costs and passing any tests with **exceptional results**.

| Model | Installed Powers | Motor Consumption |
|---------------------|----------------------------|------------------------------|
| MD 170/28 | Ceramic resistors 192 kW | I.E.2 low-efficiency motors |
| MD 170/28 Nextmover | Smart Energy System 124 kW | I.E.4 high-efficiency motors |
| DIFFERENCE >> | - 68 kW | Energy Saving - Motors - 5%* |

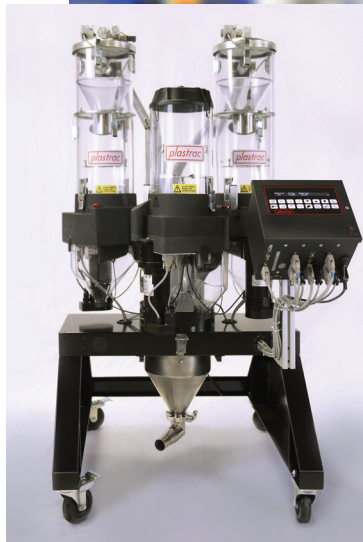
*Motors running at 50 HZ, 380V

The perfect blend. Every time.

More than fair shares.

Cart-based Plastrac blenders move between machines to simplify color changes and reduce scrap, especially on short runs.

To help custom molders achieve extreme efficiency, Plastrac offers fully independent single and dual cart-based blenders that can be shared between multiple machines. They are based on the value proposition of a single virgin feeder and two different color feeders with shared controller and blower system, typically operating independently with either manual color filling or an automated color loader. Operators will be able to switch colors electronically. All parts of our cart systems are easy to connect and disconnect for fast changeovers and setups.



Easy does it blending.

Now. And down the road.



Plastrac designs and builds blenders to uncomplicate life for our customers. They are simple to set up. Simple to operate. Simple to adapt in the field. Simple to expand in the future. Let's say you buy a two-component (color + additive) system now, but a few years later, you need to make it a multi-component system. Plastrac blenders are all entirely modular, so you won't be locked into the original configuration if your needs change or grow. What's more, all our parts, mechanical and electronic, are

always well stocked, because we don't think your present or future operations should include downtime.

On the fly Color Changes. PDQ.

There are a lot of features that distinguish a Plastrac blender, but none greater than the ability to change colors as often and as quickly as customer orders demand it. The secret is our level-sensing vane switch (standard on every single blender). Harried processors can hurry up color changes by swapping top castings without any need for cable removal.



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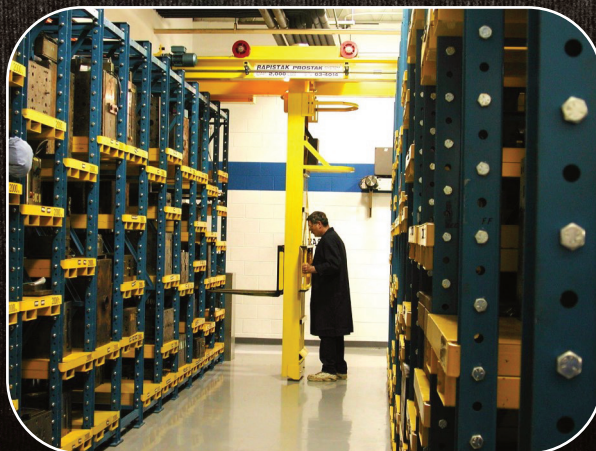
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LABELING AUTOMATION WITH HCR-5



1. HCR-5 ROBOT

Collaboration Robot: No safety fence required

- 6 Axis Servo Robot
- Application : **Labeling / Secondary Automation**
- Controller : Icon based GUI pendant
- Payload : 5 Kg (11 lb)
- Max Reach : 915 mm (36")
- Rotation : -180 ~ + 180 Deg
- Speed : 180 Deg / Sec , Tool : 1 meter/Sec
- Repeatability : 0.1 mm
- Total Weight : 20 Kg
- I.O Port : 20 Input, 20 Output
- Power : 110 Volts



2. LABEL PRINTER*

***Collaborate work with industrial label printers with peeler / dispenser mode**

Full automation for dispense, print-apply labels to various items, products, containers or packages.

Carry



Pick up



Attach

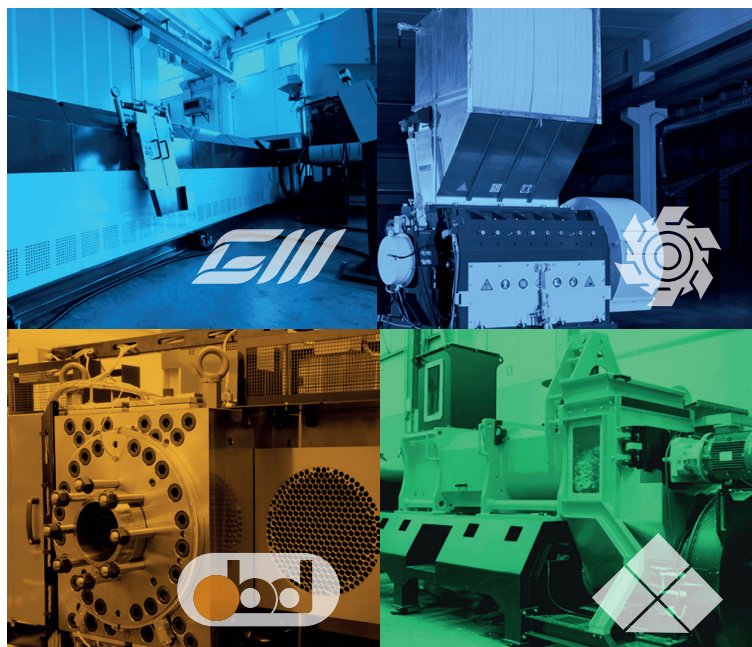


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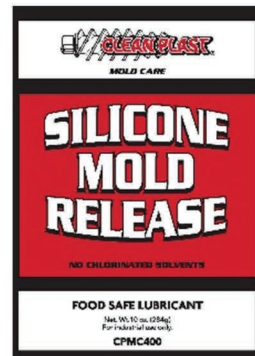
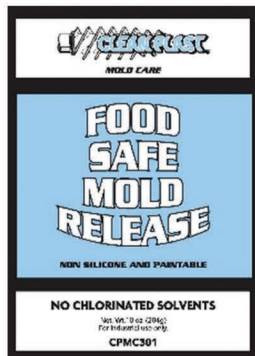
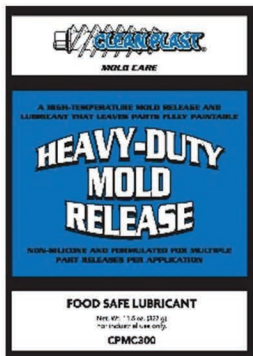
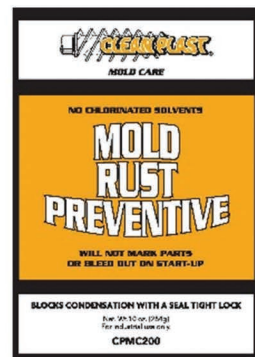
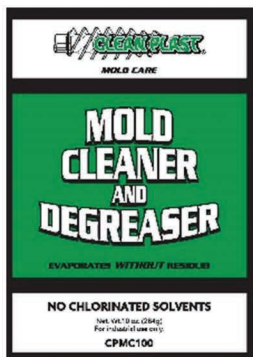
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- **CLEAN PLAST®** is safe to Purge through Hot Runners including pre-form molds!
- **CLEAN PLAST®** is safe for all resins including PET Bottle grade.
- **CLEAN PLAST®** has no harmful abrasives or solvents!
- **CLEAN PLAST®** ingredients are GRAS by the FDA.
- **CLEAN PLAST®** cleans Screws, Barrels, Accumulators, Hot Runners and Stack Molds.
- **CLEAN PLAST®** can be used in Injection Molding, Extrusion, and Blow Molding.





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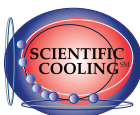
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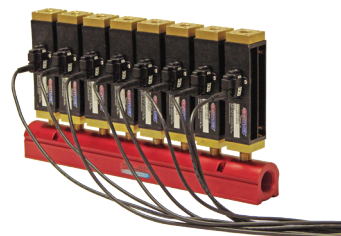
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- (2) Cumberland Model 18, 20
- (40) 10x12 Nelmor 10 HP
- (10) B&J BP27, BP32
- (6) Cumberland 1215
- (110) Nelmor 1215, 1220
- (1) B&J 1248 w/Feed Rolls
- (5) Conair CG1418, 1424
- (1) Rapid 1418K
- (2) 14x20 Cumberland 20 HP
- (14) Cumberland 284, 484, 584, 684
- (4) Cumberland 1426L, 60 HP
- (5) Nelmor 1436 w/Feedrolls, 1454
- (6) 24B Cumberland 75 HP
- (4) Cumberland 1456
- (8) Cumberland 1616, 1620, 1628
- (6) Nelmor 1620, 1624, 1628
- (4) 28B Cumberland 75 HP
- (7) Rapid 1824, 1831, W-1824, W-1836
- (4) Nelmor 1820, 2020
- (3) Cumberland 1836
- (8) 37B Cumberland 37H
- (3) CMG 1842I
- (1) Granutech 2048, 100HP
- (2) Cumberland 50B, 72B
- (2) TRIA 120-49 w/Feedroll
- (2) Cumberland 2428I
- Cumberland Model 80,81
- Foremost HD-7
- (5) Rapid Model 2442R, M, H
- (1) Cumberland X-700
- Ball & Jewel 3030 (100 HP)
- 26x80 Condux 150 HP
- (3) Nelmor 3036, 3048, 3030TF
- (2) Cumberland 3250
- (1) Condux CV-50 Compactor
- Granutech 3636, 3648

SHREDDERS

- (1) Vecoplan RG62
- (2) ShredTech ST 10, ST 25, 24" x 50"
- ShredPax AZ-80

THERMOFORMING LINES

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

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

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

DRYERS

- (1) Carter Day Spin 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

- (5) 1" Wayne Extruder, Killion
- (3) Davis Standard 1 1/2" Extruders
- Davis Standard 1 1/2" Extruder
- 2 1/2" Welex 30:1 L/D, 60 HP
- (3) Davis Standard 2.5" 32:1, 24:1
- Davis Standard 3" 24:1, 30:1
- Davis Standard 3 1/2" 30:1 Extruder
- 3 1/2" Egan Extruder 30:1
- 6" CDL Extruder, Vented, 30:1
- 6 1/2" Davis Standard 27:1, 1999
- (60) 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 Pelletizing Line
- 78" PTI Sheet Line
- Davis Standard 4 1/2" 2011

JUST ARRIVED:

- Rapid 1831K 50HP
- New Cumberland X-1400
- Sweco SS Screener, 18" 30"
- 1 1/2" Davis Standard
- H.C. Davis, HD-5 Blender, SS
- Davis Standard 1 1/2" Rubber Extruder
- Cumberland 284 w/Feedrolls
- ShredTec 30"x52" Shredder
- Rapid 400-45 2017, new in crate
- Gala/Leistritz Extruder 27mm
- Berstorff 25mm Extruder
- (2) Witte Screeners
- 200 HP Champion Hammermill
- Sprout SW26 Pelletmill
- CME C5 Cooler
- Herbold SMS 45/160 H5-2
- Cumberland 56U, 30 HP
- (1) Procedyne TCF-2430 FD
- Rosenthal Sheeters 36", 60", 72"
- Pallman PP8 Pulverizer

PIPE & PROFILE EQUIPMENT

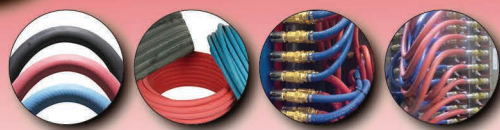
- CDS 4 Belt Puller
- S.I.C.A. 10" Planetary Saw
- Battenfeld Upcut Saw
- Battenfeld 6"x56" Puller
- (5) Vacuum Tanks

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