

Plastics

September 2022

HOTLINE

rdgmedia
PUBLICATION

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- 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 EitherCAT 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 EitherCAT 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

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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
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- Payload : 5 Kg (11 lb)
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- Speed : 180 Deg / Sec , Tool : 1 meter/Sec
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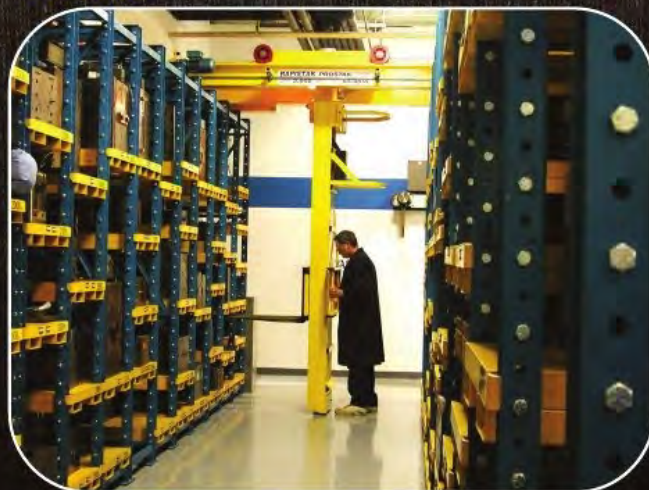
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- Gamma Meccanica S.p.A.: Lines and machinery for plastics recycling extrusion – Hall 9/stand C18
- Bruno Folcieri S.r.l: Granulators for plastic waste – Hall 9 /stand C22
- BD Plast S.r.l: Screen changers and extrusion components – Hall 9/D48
- Plasmaq Lda: Size reduction systems, washing and drying systems for post-consumer plastics – Hall 9 /stand E47

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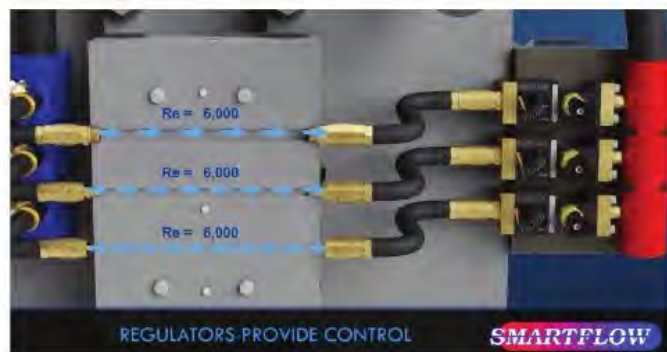
Balanced and optimized flow rates provide control and:

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- Improve process efficiency by eliminating hot spots

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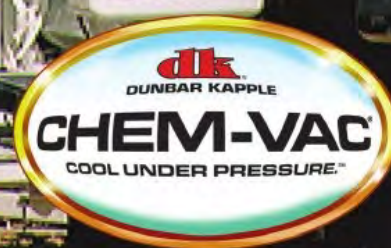


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- (3) Davis Standard 2.5" 32:1, 24:1
- Davis Standard 3" 24:1, 30:1
- Davis Standard 3 1/2" 24:1, 30:1
- 3 1/2" Egan Extruder 30:1
- PTI 4" Extruder
- 6" CDL Extruder, Vented, 30:1
- 6 1/2" Davis Standard 27:1, 1999
- (45) Sheet Dies 4"-96" Width
- (6) EDI 20" PVC Siding Dies
- Davis Standard 52" 18x30x30 Roll Stack
- 24"x50" PTI Roll Stack
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- Cumberland X-1400 150 HP
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- 4 1/2" PTI Pelletizing Line
- 4 1/2" AET Extruder w/ Beringer Pell
- Gnuess SFX75 Screen Changer
- Franklin Miller KM30 Vulcanator
- (2) Novatec GFH 2000 Gas Pack
- (6) Beringer 12" Screen Changers
- Sheer Bay SGS-300 Pelletizer
- Pallman PX 315 Pulveriser
- GALA 5MUP Pelletizer
- Condux CS 800/1200 9 Knife
- Simon Day Spin Dryer
- 24"x60" Gloucester 3-Roll Stack
- (2) Maxon SDFK 67" Sheeter
- (2) BD Plast 350mm Screen Changer
- 600 HP 460V AC Motor (unused)
- B&J VG2257 Granulator
- Pallman PS6-6 Rubber Bale Grinder
- (3) 250 Cubic Feet, SS

- Ribbon Blenders
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Plastrac Awarded Patent for Revolutionary New ColorStream™ Blender

Not just another cart-based system, ergonomic ColorStream moves continuous blending to the plant floor, to increase safety and slash capital equipment / operating costs.

While Plastrac, the Edgemont, PA-based manufacturer of easy-to-use blending systems, has been field testing its ergonomic ColorStream blending system, the U.S. Patent Office has awarded the new unit patent approval. As a result, Plastrac is ready to start rolling out the new blender to customers eager to take advantage of its many breakthrough benefits.

ColorStream began as a customer service request by a major cable and wire manufacturer to eliminate the need for employees to climb ladders or stairs to clean and change out additive hoppers that are mounted high above the floor. "Our response was to develop an entirely new approach to the industry's traditional blending methods," notes ColorStream's inventor and Plastrac President, Ken Bullivant. "We successfully decoupled dosing and feed from the main resin, moving blending to the plant floor and streaming colors and other additives to the feed throat of injection molding machines and extruders to mix

synchronously with virgin resin in real time."

Color changes and minimal maintenance occur on the plant floor. The cart can also be moved easily to ensure unhindered access to injection molding machines and extruders when their maintenance is due. As for ColorStream's own maintenance, the system's clean low pressure transport air ensures there is nothing to clog and very little to clean. ColorStream also dramatically lowers power costs and the need for extra equipment.

ColorStream's cart can support one or more additive feeders (importantly, up to four, with precisely the same small footprint as a cart with one feeder) arranged radially around a collecting funnel for discharge of the additives into a vertically mounted, custom-made venturi that discharges downward into a transport hose. Unlike conventional venturi, which require use of high-pressure compressed air from the factory central system, ColorStream uses low-pressure air

supplied by an electrically powered regenerative blower located on the cart. These blowers operate continuously for years and deliver clean air because there are no contacting parts requiring lubrication. The venturi and transport hose are small enough to deliver sufficient air velocity to keep transported granules entrained in the air stream.

At the upper end of the system, a compact but sturdy baffle box mounts to the feed throat of the plastics processing machine. The top flange of this box typically supports the customer's central loader receiver and buffer hopper, which supply virgin material to the process. A cyclone type receiver inside the baffle box separates the additives from the transport air, which is routed out of the baffle box laterally. A metal screen between the cyclone and the exhaust duct guarantees that stray additive granules cannot escape with exhaust air. Additive granules do not clog the screen, because its much larger open area reduces air velocity below



that required to lift the granules. All surfaces are scrubbed by the transport air or by impingement of additive granules, so that color changes do not require cleaning of the hose or baffle box components. ColorStream works with all injection molding, extrusion, and blow molding machines and with all virgin resins, including PET.

The new ColorStream will be on exhibit at the 2022 K Show in Dusseldorf, Germany, October 19-26, 2022, Hall 10, Stand A01. For details, contact: Plastrac 610-356-3000, www.plastrac.com, sales@plastrac.com.

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