

AIR KNIFES



AK Series Air Knife

- Available in 6", 12" & 18"
- Horsepower Varies from 2 to 3
- Air Flow from 335-495 CFM
- Rust Free Material Contact Points
- Air Nozzle is Open Ended to Assist Start UP
- Coarse Air Filter
- Adjustable Height
- Strand Guides Can be Adjusted as Needed to Control Strands
- Self Contained Electrics, Including Motor Starter



PRODUCT OFFERING

BT25 LAB TO LIGHT PRODUCTION

RATES FROM 1 TO 100 LB/HR

BT25

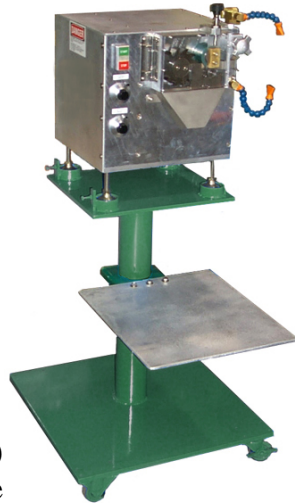


- Proven Design
- Optimum Strand Control, Due to Offset UFR
- Dual Drive Standard, pellet length control on the fly
- Quick/Easy Maintenance

- 1-4 strands of Olefin Materials
- 1-100 lb/hr
- Spring activated UFR
- Safety Interlock
- Tool Less Entry
- Easy Clean Out

Options

- Support Stand
- Intergraded Air Knife
- Water Bath and Recirculation System
- Carbide Tipped Rotors
- Uni-Base (common base for pelletizer & water bath)
- Pharmaceutical Grade
- High Speed (up to 156 ft/min)
- AC Variable Frequency Drive



VACUUM DEWATERING UNITS



VAK Series Vacuum Air Knife

- Available in 12", 16", 24", and 32"
- Horsepower varies from 7.5 to 25
- Air Flow from 1,260 to 3,531 CFM
- Vacuum Pressure from 16-18" H2O
- Uses a Combination of Vacuum and Positive Pressure to Remove Water from Strands
- Water is Separated from Air and Contained
- Wear Package Available
- Tilting Option Available
- Water Pump Available to Pump Water Back into System
- Rust Free Design



SB SERIES LAB TO LIGHT PRODUCTION

RATES FROM 25 TO 800 LB/HR

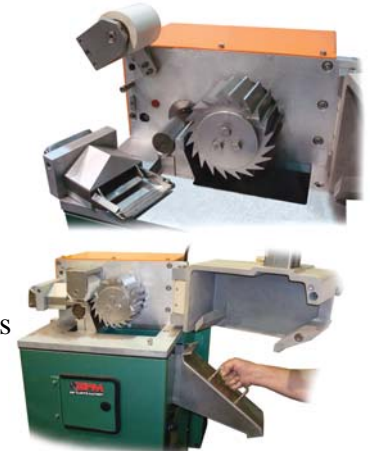
SB50 & 100



- 1-15 Strands
- 25-800 Lb/hr
- Push/Pull Rotor Gap Control
- Removable Feed Table
- Removable Discharge Chute
- Easy Clean
- Tool Less Entry
- UFR Moves Parallel to the LFR
- Large Pneumatic Cylinder Improve Pulling Force

Options

- Dual Drive
- Wear Package
- Extra Horse Power
- 14, 20, or 36 Tooth Rotors
- Custom Discharge Heights
- Work Platforms
- Water Baths and Air Knives



SPARE PARTS, SERVICE, REBUILD AND SUPPORT

Spare Parts

- Rotors
- Stellite, Wedge Lock, Bolt On
- Bearings for Rotors and Feed Rolls
- Bed Knives and Doctor Blades
- Parts Available for BPM Machines, Conair, Scheer, Reduction Engineering, Automatik
- New Rotors for all Types and Manufactures

Rebuild and Support

- Available from our Bay City Michigan Facility
- Experienced Service Engineers and Start Up Support(30 Years)
- Complete Rebuild of BPM Machines, Conair, Scheer, Reduction Engineering, Cumberland
- Repair of Stellite Rotors
- Re-sharpening of all Types and Manufactures of Rotors



BAY PLASTICS MACHINERY

3503 NORTH EUCLID AVE, BAY CITY, MI 48706 * 989-671-9630 PH
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Z SERIES LIGHT TO MEDIUM PRODUCTION

RATES FROM 100 TO 2,500 LB/HR

Z 4" & 8"



- 1-40 Strands
- 100-2,500 Lb/hr
- Push/Pull Rotor Gap Control
- Removable Feed Table
- Removable Discharge Chute
- Easy Clean
- Tool Less Entry
- UFR Moves Parallel to the LFR
- Bed Knife Holder Supported by Iso Plate
- Large Pneumatic Cylinder Improve Pulling Force

Options

- Dual Drive
- Wear Package
- Extra Horse Power
- 32, or 46 Tooth Rotors
- Custom Discharge Heights
- Work Platforms
- Water Baths and Air Knives



AXP SERIES MEDIUM PRODUCTION

RATES FROM 500 TO 6,500 LB/HR

AXP

- 1-80 Strands
- 500-6,500 lb/hr
- 50% Less Floor Space
- Serpentine Belt Drive
- UFR Driven from LFR
- Push/Pull Gap Control
- Rotor Bearings Ball Bearings
- Large Pneumatic Cylinders
- Easy Clean Cutting Chamber
- Removable Discharge Chute
- Tool Less Entry

Options

- Dual Drive
- Wear Package
- 32 Tooth Wedge Lock Rotors
- 16, 24, 48, or 60 Tooth Rotors
- Extra Horse Power
- Custom Heights
- Work Platforms
- UFR Drive
- Water Baths and Air Knives



DRY CUT WATER SLIDES

RATES FROM 2 TO 8,000 LB/HR

Dry Cut Water Slides

- 1-130 Strands
- 2-8,000 Lb/Hr
- Strands are Carried Down the Slide to the Belt Water is Drop off at the Belt
- Heat in Material Flashes Water Off the Strands.
- Excess Water is Removed by Vacuum through the Belt and Positive Pressure above the Belt
- Designed for Specific Applications/Materials
- No Need for Post Cut Cooling
- Various Cooling and Flash Off Lengths Available



BX SERIES MEDIUM TO HEAVY PRODUCTION

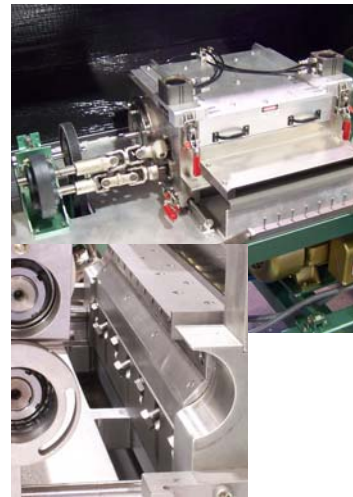
RATES FROM 1,000 TO 11,000 LB/HR

BX Series

- 1-130 Strands
- 1,000-11,000 lb/hr
- Push/Pull Gap Control
- Rotor Bearings Ball Bearing
- Large Pneumatic Cylinders Mounted on Cutting Chamber Cover
- Tool Less Entry

Options

- Dual Drive
- Wear Package
- Various Tooth Rotors Available
- Extra Horse Power
- Custom Heights
- Work Platforms
- Water Baths and Air Knives



SPECIALTY PRODUCTS

LONG FIBER AND MICRO PELLETS

Long Fiber Pellets

- Line Speeds up to 150 f/min
- Cutting Gap of 0.00025"
- Cut Length to 2"
- Reinforced Bed Knife
- Dual Fly Wheels to reduce Vibration (AXP Only)
- Available in Lab or large Production

Micro Pellets

- Pellets from 0.04" to 0.02"
- Independent Drive for Feed Roll
- Maintaining Strand Orientation
- Precise Gap Control
- Proprietary Rotor Design

US Patent 7,393,201 B2

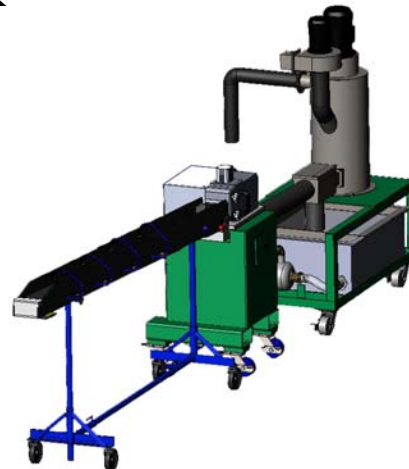


WET CUT WATER SLIDES

RATES FROM 20 TO 11,000 LB/HR

Wet Cut Water Slides

- 1-130 Strands
- 20-11,000 lb/hr
- Self Stranding Systems
- Fully Automated Systems
- Small Lot/Low Cost Version Available
- Turn Key Systems
- Improved Flow Sluice Box
- Extremely High Throughputs
- Designed for Specific Applications/Materials.
- Complete Systems from Die to Dryer



WATER BATHS

WBX Water Baths

- Sizes from
 - 6" wide x 6" deep x 6' Long To 30" wide x 12" deep x 30' long
- Vertical Adjustments
- Adjustable Over Flow Weir
- Adjustable Spreader Bars
- Heavy Duty Stainless Steel Tank
- Painted Support Base
- Optional Water Recirculation Systems Available from
 - 3,000 BTU/Hr to 1,000,000 BTU/Hr



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