**ACCUMAX ROLL DIVIDER**

**FEATURES & BENEFITS**

- **Superior Scaling Accuracy**
  - AMF’s new generation extrusion technology
  - 200-300% more accurate scaling than a conventional K-Head divider increases production yield
  - Scaling remains consistent over the life of the divider - 15 years or more, with proper maintenance

- **Dough Friendly Design**
  - A built-in developer system provides additional production flexibility to optimize quality
  - "Peristaltic" motion metering pump to control throughput without shear and with 100% purge per resolution, ensuring "first-in, first-out"
  - E-Z flow distribution manifold is a "valveless" design to control scaling weight without increasing back pressure
  - A rotary motion cut-off provides a gentle slicing action

- **Reduced Operating Cost**
  - No divider oil required, which reduces operating and sanitation costs

- **Efficient design with 40% fewer moving parts than a K-Head for reduced maintenance cost**
- **Rotary design on the feed screw, developer, metering pump, and cut-off provide a service life that is 3-4 times longer than a conventional divider. In addition, it provides a low operating noise level (under 80 dB).**
- **An electronic clean cycle and open access to all operating components allow for easier sanitation and maintenance**

- **Improved Automation for the Entire Make-Up System**
  - An operator interface-based recipe management system ensures consistent and repeatable automated divider set-up
  - A servo synchronization system is tied into the Pan-O-Mat

---

**Soft Roll Extrusion Bun Divider Design**

**Ultra Low Shear Metering for Improved Product Quality**

**Built-in Developer for Improved Product Consistency and Scaling**

**Direct Replacement for K-Heads and Early Generation Extrusion Roll Dividers**
MECHANICAL FEATURES

- Heavy duty stainless steel frame for durability and corrosion resistance
- Patented quarter block system provides quick and simple port blocking
- Polished stainless steel guards and hopper for easy sanitation
- Stainless steel feed screw and developer housing for durability and minimum dough flow resistance
- Feed screw, developer, and metering pump have direct coupled drives, no chains or pulleys
- All major drives are severe duty gearmotor drives
- Integral stainless steel dough developer
- Stainless steel metering pump for precise, linear flow control with ultra low shear peristaltic action
- E-Z flow distribution and scaling manifold features internal flow diverters to precisely balance flow without additional back pressure. Diverters are adjustable by external adjusters with location indicators.
- 150lb. (68 kg) stainless steel hopper
- Patented "Quick Clean" manifold
- Individual UHMW cut-off knives slice clearly, without tearing gluten stands and provide precise doughball placements at any speed
- Easy access to all operational areas, no tools required for sanitation
- Manually actuated divider pushback employs a large air cylinder for slow, steady movement of the divider from the rounder and allows for easy maintenance and sanitation access to the cut-off area.
- A PLC actuated divider pushback is also supplied that will automatically push the divider back in case of pressure loss to prevent under scaled product from entering the make-up system. A removable catch pan is provided to collect the dough pieces for recycling to the divider.
- A PLC controlled venturi-style vacuum system provides for efficient pumping and degassing
- Simple quarter turn valve for fast "no tools" port block off

ELECTRICAL FEATURES

Operator panel includes the following:

- Allen Bradley PanelView Plus 600 operator interface to control:
  - Developer speed
  - Feed screw speed
  - Metering pump speed
  - Vacuum pressure
  - Alarm messages
  - Product codes
- Allen Bradley pushbuttons for:
  - Two-button start
  - Stop/Emergency stop
  - MCR reset

- NEMA 12 remote electrical enclosure (painted steel) including:
  - Main disconnect switch
  - Allen Bradley CompactLogix
  - Allen Bradley Powerflex
- Closed loop pressure control system with pressure transducer
- PLC controlled clean-in-place system for reduced sanitation cost
- Servo drive cut-off knife to synch with existing proofer
OPTIONS

- Divider mount swing arm for operator panel
- Pushback rail system to mount on existing rounder frame in lieu of floor cart
- PLC in lieu of Allen Bradley CompactLogix
- Proofer drive kit with inverter speed control
- Stainless steel electrical panel in lieu of painted
- CE confirmed electrical package
- Inverters in lieu of Allen Bradley PowerFlex
- Operator interface in lieu of Allen Bradley PanelView Plus
- Extrusion type non-stick rounder belt
- Spiral tunnel rounder bars
- Hinged rounder bar lift kit
- Product memory increase
- Rounder AC speed control package
- 250 lb. (113 kg) hopper in lieu of standard
- Pneumatic “pulse” flour sifter kit to integrate with flour recovery system
- Zig-zag rotary gate kit
- Magnetic pan indexer with integral recipe management
- Spare parts kit

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Throughput Range</th>
<th>Scaling Range</th>
<th>Speed Range* (pcs/hr.)</th>
<th>Approximate Shipping Dimensions</th>
<th>Approximate Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccuMax 400</td>
<td>6,000 lb./hr. (2722 kg/hr.)</td>
<td>7/8 oz. to 6 oz. (25 g to 170 g)</td>
<td>9,600-30,000</td>
<td>66” x 72” x 49” (1676 mm x 1829 mm x 1245 mm)</td>
<td>2,170 lb. (984 kg)</td>
</tr>
<tr>
<td>Electrical Panel</td>
<td></td>
<td></td>
<td></td>
<td>48” x 88” x 26” (1219 mm x 2235 mm x 660 mm)</td>
<td></td>
</tr>
<tr>
<td>AccuMax 600</td>
<td>7,500 lb./hr. (3402 kg/hr.)</td>
<td>7/8 oz. to 6 oz. (25 g to 170 g)</td>
<td>14,400-45,000</td>
<td>66” x 72” x 49” (1676 mm x 1829 mm x 1245 mm)</td>
<td>2,270 lb. (1030 kg)</td>
</tr>
<tr>
<td>Electrical Panel</td>
<td></td>
<td></td>
<td></td>
<td>48” x 88” x 26” (1219 mm x 2235 mm x 660 mm)</td>
<td></td>
</tr>
</tbody>
</table>

* Gearmotors are sized to meet specific production requirements, therefore the divider will be geared to handle a specific range of production.

Electrical Requirements:
- Approximate Main Power - 23KVA
- PLC I/O Voltage - 24VDC in/120VAC out

Air Requirement: 15 SCFM @ 80 PSIG