Reduce your material costs
The consistency of this feeder ensures that every pellet counts. Absolutely no material waste. Unique dispensing cylinder eliminates pulsing outputs of auger and pocket type feeders.

Increased productivity
The TrueFeed does not require time-consuming color calibration when materials are changed. Eliminates machine downtime associated with conventional volumetric feeders.

Unbeatable accuracy
The dispensing cylinder is driven by a stepper motor for consistent speed. The design ensures that the colorant is dispensed evenly, extremely accurately, and without any pulsation from the cylinder into the plastic, giving you maximum control of the process and the end product.

Super simple to use
Injection molders, simply set the additive percentage, enter the shot weight, screw recovery time and press start. For extrusion processes the unit can be run open-loop or slaved to the extruder (extrusion tracking). Touch Control also available.

Fast return-on-investment
Call today! These value-priced units quickly pay for themselves in material savings and machine uptime.

Optimize your feeding process with the Milacron TrueFeed gravimetric feeder. Units are simple to install and use, extremely accurate and economical. These color and additive feeders deliver accurate feeding rates on the basis of continuous loss-in-weight metering technology with closed-loop control of the feeding speed.

The TrueFeed can be used in injection molding, extrusion and blow molding processes. All operate with the same bi-lingual, user-friendly control.

COSTLY DOWNTIME ELIMINATED

Unlike volumetric feeders the new gravimetric feeders from Milacron are self-calibrating, adjusting automatically for changes in material type, bulk density or pellet geometry.

Color changes are quick - under 60 seconds - and easy. The TrueFeed does not require time-consuming color calibration when materials are changed.

Each feeder is equipped with a throat adapter that fits between the machine hopper and the throat. The feeder installs easily to the adapter allowing additives to be metered by the dispensing cylinder into the flow of material as it passes through the adapter. Metering and feeding additives at the throat result in even greater savings in material inventory and colorant over traditional pre-colored, centrally blended materials or imprecise volumetric technologies.
No tools required for material and color changes.

The unit is easy to disassemble. Simply release the knob holding the feeder to the scale, remove the feeder, pull back on the slide gate to drain the material from the hopper, then release the motor clamps and remove the motor and dispense cylinder.

OPTIONS

- **Compressed Air Loading Lid**
  Choose the TrueFeed with the compressed air loading for processing granular pellets.

- **Compressed Air Vacuum Loading Lid**
  Use the TrueFeed with the vacuum loading option for dusty or granular materials. The vacuum loading option offers increasing pulling power and a filter to trap dust and fines. Vacuum is generated with compressed air.

- **Dispense Cylinder**
  Cylinders are designed to provide a non-pulsing consistent feed and are more accurate than traditional auger screws. The cylinders allow for quick and easy change out during cleaning. Several sizes are available to fit with your application.

- **Slide Mount Base**
  Makes cleanout and calibration even more convenient and easier than the standard unit. It allows quick interchange of feeders.

- **Communications**
  Track material usage with the Ethernet TCP/IP communications package.

- **Throat Adapters**
  A variety of throat adapters are available to fit with your processing machine. The standard adapter has a 76 mm diameter inlet and 45 mm square outlet. See following pages.

- **Water-Cooled Throat Adapter**
  This throat adapter provides temperature isolation from hot dried material. Used when combining a temperature sensitive additive into a hot dried material.

- **Alarms- visual and/or audible**
  An alarm light and/or a alarm horn are available to alert the operator to low material level.

- **Large Capacity Hopper**
  A 12 liter hopper is available for larger throughput requirements and light density materials.

- **High Torque Stepper Motor**
  The high torque stepper motor is required for feeding regrind or hard to flow materials. This motor is always used in conjunction with the A-20HT or A-30HT dispense cylinder.
FEATURES

In control of your expensive colorant and additives.

The Milacron dispensing cylinder gives you outstanding control of the feeding process. The consistent feeding of this unit allows the actual setpoint to be lowered, ensuring a substantially faster return on your investment.

Find your additional profits here!

The graph compares the Milacron Dispensing Cylinder to an auger. An auger dispensing device will give an irregular output because of the pulsations created by the auger, which in turn, causes the colorant to be dispensed irregularly into the main material. A Milacron Dispensing Cylinder guarantees even dispensing. The dispensing cylinder works in combination with a stepper motor that ensures exact, controllable cylinder speed time after time.

Both tests were performed under identical circumstances, using the same material.

Dispensing Cylinders

Choose the dispensing cylinder that is right for your application.

Feeding System | Pellet Material | Regrind/hard-to-flow material | Feed rate \(^{†}\) gram/sec | Feed rate \(^{†}\) kg/hr | Feed rate \(^{†}\) lb/hr
--- | --- | --- | --- | --- | ---
GLX | Yes | No | 0.01 to 1.1 | 0.05 to 4.1 | 0.11 to 8.9
GX | Yes | No | 0.1 to 5.0 | 0.5 to 12.6 | 1.1 to 28.0
HX \(^{†}\) | No | No | 0.007 to 0.4 | 0.03 to 1.3 | 0.56 to 2.78
A-8LT | Yes | Yes | 0.01 to 1.1 | 0.05 to 4.1 | 0.11 to 8.9
A-15LT | Yes | Yes | 0.1 to 5.0 | 0.5 to 12.6 | 1.1 to 28.0
A-20LT | Yes | No | 0.4 to 14.0 | 1.3 to 50.4 | 2.78 to 112.0
A-20HT | Yes | Yes | 0.4 to 14.0 | 1.3 to 50.4 | 2.78 to 112.0
A-30HT | Yes | Yes | 1.4 to 35.0 | 5.0 to 126.0 | 11.1 to 280.0

\(^{†}\) Feed rates are based on materials with a bulk density of 35 lb/ft\(^3\).

Throat Adapters

Choose the throat adapter that is right for your application.

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet</th>
<th>Outlet (sq.)</th>
<th>Height</th>
<th>Top Flange (sq.)</th>
<th>Bottom Flange (sq.)</th>
<th>Bottom Mounting Center Range (sq.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>07</td>
<td>Ø3.0 (076.2)</td>
<td>1.77 (45)</td>
<td>9.4 (239)</td>
<td>6.0 (152)</td>
<td>5.5 (140)</td>
<td>2.75 - 4.5 (69.9 - 114.3)</td>
</tr>
<tr>
<td>08</td>
<td>Ø3.0 (076.2)</td>
<td>3.54 (90)</td>
<td>9.4 (239)</td>
<td>6.0 (152)</td>
<td>5.5 (180)</td>
<td>4.5 - 6.0 (114.3 - 152.4)</td>
</tr>
<tr>
<td>09**</td>
<td>Ø3.0 (076.2)</td>
<td>1.77 (45)</td>
<td>9.4 (239)</td>
<td>6.0 (152)</td>
<td>5.5 (140)</td>
<td>2.75 - 4.5 (69.9 - 114.3)</td>
</tr>
</tbody>
</table>

\(^{†}\) Dimensions are shown in inches and (mm).

\(^{**}\) Model 09 is a water-cooled throat adapter.
## SPECIFICATIONS

### TRUEFEED TF MODELS

<table>
<thead>
<tr>
<th>MODELS</th>
<th>TF01AA</th>
<th>TF01AB</th>
<th>TF01AK</th>
<th>TF01AH/AJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>8.31 (211)</td>
<td>17.94 (456)</td>
<td>18.94 (481)</td>
<td>17.94 (456)</td>
</tr>
<tr>
<td>Depth</td>
<td>See drawings above for all dimensions except depth.</td>
<td>8.31 (211)</td>
<td>17.94 (456)</td>
<td>18.94 (481)</td>
</tr>
<tr>
<td>Weight lbs (kg)</td>
<td>Standard feeder installed (empty)</td>
<td>49 (22)</td>
<td>54 (24)</td>
<td>65 (29)</td>
</tr>
<tr>
<td>Weight (approximate)</td>
<td>55 (25)</td>
<td>60 (27)</td>
<td>75 (34)</td>
<td>84 (38)</td>
</tr>
<tr>
<td>Voltage</td>
<td>120 V/1 phase/60 Hz</td>
<td>0.75</td>
<td>0.75</td>
<td>0.75</td>
</tr>
<tr>
<td>Voltage</td>
<td>220 V/1 phase/50 Hz</td>
<td>0.38</td>
<td>0.38</td>
<td>0.38</td>
</tr>
</tbody>
</table>

### Loader (option) specifications

| Maximum conveying distance | 3 meters |
| Compressed air hose        | 1/4 NPT fitting to 8 mm hose |
| Weight lbs (kg)            | Compressed air loader | 58-116 psi (4-8 bar); 8.8 to 15.9 ft/min (0.25 to 0.45 m/min) |
| Compressed air vacuum loader | 58-116 psi (4-8 bar); 5.3 to 9.6 ft/min (0.15 to 0.27 m/min) |

### SPECIFICATION NOTES:

* All models shown with 0.2 ft³ (6 liter) material hoppers.
† Applies to Models TF01AB and TF01AK (models that are sold with the loading option).
‡ The loader option is provided with a control solenoid to be installed/mounted by the customer.
§ Model TF01AB - compressed air loader supplied material hose is 25 mm diameter, 3 m in length. Model TF01AH/AJ vacuum compressed air loader supplied material hose size is 38 mm diameter, 3 m in length.

Specifications may change without notice. Consult with a Milacron representative for the most current information.