Long life replacement actuators to reduce downtime and increase productivity
Anywhere in the plant, **phd** has a solution.

1. **UNLOADING & SORTING**
   - Series CV and CR Cylinders
     - Door opener
     - Bag pushing
     - Bag dumping
     - Jensen switch points on conveyor
   - ML311706 Bag Stopping Cylinders
     - Bag stopping
   - Series CV/SD/SG Automation Dynamics Bullet Sorter and Jensen Dirty Sort

2. **CONVEYING**
   - Series SFP Slide
     - Bag closing
   - Series AV Cylinder
     - Bag stopping
     - Jensen replacement
   - ML310107 Bag Lifting Cylinder with Adjustable Center Trunnion Mount
     - Cleanwork transferring
     - Jensen Futurail or other overhead conveying system replacement

3. **WASHING**
   - ML307397 Door Locking Cylinder
     - Lavatec
   - Series CRS Door Lock Cylinder
     - Braun replacement (ML307839)
   - ML312116 Side Hydraulic Shot Pin
     - Ellis replacement
   - ML312117 Door Lock
     - Lavatec replacement

4. **DRYING**
   - Series 8400 Gripper
     - Major dryer manufacturer, King Spreader gripper
   - ML30868 Slide
     - Automatic towel machine
   - ML312114 SFP Slide
     - Challenge Dryer door cylinder
   - Series CTS Cylinder
     - Major dryer manufacturer, King Spreader gripper
   - Series CV Cylinder
     - Milnor dryer cool down door cylinder

5. **FOLD & STACK**
   - ML311742 Fold Table Lift Cylinder
     - Table lift
   - Series CV & CR Cylinders
     - Door opener
     - Bag pushing or dumping
     - ISO cylinder replacement
   - Series RL Rotary
     - Replaces Bimba rotary
   - ML31211 Heat Seal Emblem Machine Cylinder
     - Texas Automation
   - Series SFP Slide
     - Unipress Triple Buck Ironer component
     - Comp-Air, Origa and Tolomatic replacement

6. **INSPECTION**
   - ML311514 Gripper with tooling
     - Unloads hanger and places hanger on sorting line
   - Series AV Cylinder
     - Bag stopping
     - Jensen replacement
   - ML310107 Bag Lifting Cylinder with Adjustable Center Trunnion Mount
     - Cleanwork transferring
     - Jensen Futurail or other overhead conveying system replacement
   - Series 8400 Gripper
     - Major dryer manufacturer, King Spreader gripper
   - ML30868 Slide
     - Automatic towel machine
   - ML312114 SFP Slide
     - Challenge Dryer door cylinder
   - Series CTS Cylinder
     - Major dryer manufacturer, King Spreader gripper
   - Series CV Cylinder
     - Milnor dryer cool down door cylinder

7. **STEAM**
   - ML311742 Fold Table Lift Cylinder
     - Table lift
   - Series CV & CR Cylinders
     - Door opener
     - Bag pushing or dumping
     - ISO cylinder replacement
   - Series RL Rotary
     - Replaces Bimba rotary
   - ML31211 Heat Seal Emblem Machine Cylinder
     - Texas Automation
   - Series SFP Slide
     - Unipress Triple Buck Ironer component
     - Comp-Air, Origa and Tolomatic replacement

8. **PRESS**
   - ML311514 Gripper with tooling
     - Unloads hanger and places hanger on sorting line
   - Series AV Cylinder
     - Bag stopping
     - Jensen replacement
   - ML310107 Bag Lifting Cylinder with Adjustable Center Trunnion Mount
     - Cleanwork transferring
     - Jensen Futurail or other overhead conveying system replacement
   - Series 8400 Gripper
     - Major dryer manufacturer, King Spreader gripper
   - ML30868 Slide
     - Automatic towel machine
   - ML312114 SFP Slide
     - Challenge Dryer door cylinder
   - Series CTS Cylinder
     - Major dryer manufacturer, King Spreader gripper
   - Series CV Cylinder
     - Milnor dryer cool down door cylinder
   - GRD Gripper
     - Shop towel picker replacement
**LAVATEC**

ML307675 Drain Cylinder
- Lavatec replacement

ML307839 Drain Cylinder
- Stainless

ML311558 Drain Cylinder
- Internal stroke adjustment
  - making it possible to change stroke from 3 - 4 inches as needed

ML312241 Drain Cylinder
- 200 lb Pony Washer
- 25mm bore 3 in stroke

- Drop-in replacement
- Fully field-repairable making it very economical versus replacing the unit
- Rod diameter larger than PressMAir unit providing superior performance
- Same rod thread as OEM cylinder (M18x2.5)

**BRAUN**

ML311696 Drain Cylinder
- Industry specific corrosion resistant

ML307839 Drain Cylinder
- Stainless

ML311558 Drain Cylinder
- Internal stroke adjustment
  - making it possible to change stroke from 3 - 4 inches as needed

ML312241 Drain Cylinder
- 200 lb Pony Washer
- 25mm bore 3 in stroke

- Fully field-repairable making it very economical versus replacing the unit
- Open pocket washer/extractor
- 400/450/600 lb load capacity
- Lowest cost of ownership
- Head with 1-14 nose mount thread to replace standard bushing
- Rod end thread matches (5/8-11)

**ELLIS**

ML307798 Drain Cylinder
- Ellis replacement
  - Side load/Open pocket

ML312115 Drain Cylinder
- Ellis replacement
  - Side load (old style)
  - Square body

- Drop-in replacement for Ellis drain cylinder
- Rod threads match (1/2-20)
- Fully field-repairable making it very economical versus replacing the unit
- Up to 900 lb load capacity

- Drop-in replacement for Ellis drain cylinder
- Fully field-repairable making it very economical versus replacing the unit
- Longer life
JENSEN

ML311559 Drain Cylinder
- Industry specific corrosion resistant Jensen L Tron replacement

ML308223 Drain Cylinder
- Jensen L Tron replacement

ML306780 Drain Cylinder
- Jensen L Tron replacement

ML312043 Drain Cylinder
- Milnor replacement

ML312119 Drain Cylinder
- Milnor replacement
- Single acting

WASHEX

ML311741 Drain Cylinder
- Washex replacement

MILNOR

ML312118 Drain Cylinder
- Milnor replacement

ML312119 Drain Cylinder
- Milnor replacement
- Single acting

ML312043 Drain Cylinder
- Milnor replacement

QT272634 Water Valve
- Milnor replacement

• Drop-in replacement for SMC NCDMB150-0400-XC6
• Fully field-repairable making it very economical versus replacing the unit
• Same mounting thread and rod end thread as replacement unit
• Competitive unit had 1/2 inch rod diameter. Our more robust replacement has 16 mm rod diameter.

• Drop-in replacement
• Fully field-repairable making it very economical versus replacing the unit
• 800 lb load capacity
• 3/4-16 mounting thread

• Drop-in replacement
• Fully field-repairable making it very economical versus replacing the unit
• Industry specific corrosion resistant
• 2-1/2 Bore, 3 in Stroke

• Drop-in replacement
• Fully field-repairable making it very economical versus replacing the unit
• 63 mm Bore, 5-3/4 in Stroke

• Drop-in replacement
• Fully field-repairable making it very economical versus replacing the unit
• 63 mm Bore, 5 in Stroke

• Drop-in replacement
• Fully field-repairable making it very economical versus replacing the unit
• 63 mm Bore, 4-1/2 in Stroke

• Drop-in replacement
• Industrial coated springs
CR Cylinders
- Door opener
- Door lock
- Bag pushing
- Bag dumping
- Jensen switch points on conveyor

• Compact design for application where space is limited
• Up to six switch slots for flush switch mounting
• Self-lubricating nitrile piston seal for long cylinder life
• Multiple mounting options

CV Cylinders
- Door opener
- Bag pushing
- Bag dumping
- Jensen switch points on conveyor

• ISO/VDMA interchange for easy mounting (metric)
• Imperial unit provides simplified integration in imperial facilities
• PTFE wear ring and built-in shock pads for long cylinder life
• Optional built-in port controls and cushions for superior speed and deceleration control
• Norman table lifting cylinder CVAS60100x26-DB

ML311706 Bag Stopping Cylinder
- Bag stopping

• Compact design for application where space is limited
• Up to six switch slots for flush switch mounting
• Self-lubricating nitrile piston seal for long cylinder life
• Multiple mounting options

ML307397 Door Locking Cylinder
- Lavatec

• Compact design for application where space is limited
• Up to six switch slots for flush switch mounting
• Special female rod to match Lavatec tooling
• Adaptor block needed for mounting
• High-performance seals for increased life

Series SFP Slide
- Bag closing
- Cleanwork transferring to dryers
- Cable cylinder replacement
- Unipress Triple Buck Ironer component
- Comp-Air, Origa and Tolomatic replacement

• Space-saving design
• Smooth, precise movement
• Built-in rail bearing for maximum rigidity and moment capacity
• Supported saddle to reduce wear and play
• Multiple bore sizes and long travel lengths available
• Replacement for Tolomatic Series BC2 or Origa Series P120 rodless cylinders on Unipress Triple Buck Unloader

Series SG Slide
- Bag closing
- FLM/Jensen overhead rail systems

• Cost effective versus OEM Solution
• Long life unit with over 5 million cycles
• Field tested in an industrial laundry environment

Dynamics Bullet Sorter
- Anodized aluminum alloy heads, caps and tubes

• ISO/VDMA interchange for easy mounting (metric)
• Imperial unit provides simplified integration in imperial facilities
• PTFE wear ring and built-in shock pads for long cylinder life
• Optional built-in port controls and cushions for superior speed and deceleration control
• Norman table lifting cylinder CVAS60100x26-DB

Any other marks or names referenced herein are either registered trademarks or trademarks of their respective owners. No association with or endorsement of any company, organization, or product is intended or should be inferred.
Series AV Cylinder
- Bag stopping
- Jensen replacement

ML310107 Bag Lifting Cylinder with Adjustable Center Trunnion Mount
- Cleanwork transferring
- Jensen Futural or other overhead conveying system replacement

AV2R 1/1/8x6x3
- FLM rail system bag diverter

ML310566
- Jensen replacement
- Braun replacement

ML310617
- Jensen replacement
- Braun replacement

ML312114 Challenge Dryer SFP Slide
- Drop-in replacement with minor mounting adjustment

Milnor Dryer Cool Down Door Cylinder
- Milnor replacement

Series 8400 Gripper
- Major dryer manufacturer, King Spreader gripper

ML303868 Slide
- Automatic Towel Machine

Series SAH 132x2-AE-M Slide
- Jensen rail system bag stop

Series NUMBERS

2 3

- Long life design for low maintenance
- NFPA repairable for extended life providing long term savings
- Wide range of options for easy application and reduced downtime

- Drop-in replacement for any trunnion-style bag lifting Camozzi cylinder
- Adjustable center trunnion mount
- Bore sizes 40, 50, 63, 80 and 100 mm available
- Strokes are available at any length up to 1800 mm

- Drop-in replacement for disposable OEM cylinder
- Fully field repairable
- 3 position (0 in, 3 in & 6 in)
- Bag diverter for Fairfield Laundry Machinery Corp rail system

- Replacement for Parker
- Drop-in replacement for Jensen or Braun units
- Heavy duty and high torque
- Wide variety of options and accessories
- Pneumatic or hydraulic applications

- Replacement for Parker
- Drop-in replacement for Jensen or Braun units
- Heavy duty
- Wide variety of options and accessories
- High torque

- Replacement for Origa rodless cylinder
- Fully field repairable
- Mounting change is flipping the L bracket 180° on each end
- Mounting holes and saddle match Origa unit

- Replacement for Milnor 63 mm bore, 7-3/4 in stroke
- Order # 266632
- High-temp lube and seals

- Longer life - over 5 million cycles
- Fast delivery
- Compact size

- Longer life
- No metal to metal contact
- Corrosion resistant
- Fast delivery
**Series GRD Gripper**
- Towel picking and folding applications
  - Longer life
  - Compact
  - Spring assist option

**ML311767 Spreading Cylinder**
- Drop-in replacement Jensen towel spreading machine
  - Better seals for longer life
  - Fully field repairable
  - Longer life
  - Compact
  - Fast delivery

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**complete solution for TRIPLE BUCK systems**
- **ML311514 Gripper with Tooling**
  - Unloads hanger and places hanger on sorting line
  - Drop-in replacement for CompAir RG072 gripper
  - Longer life - over 5 million cycles
  - Field tested for over 4 years
  - Compact
  - Steel jaws and pivot pins for precise tooling location and decreased jaw wear
  - No “rubber band repair”

- **ML311515 Tooling Only**
  - Drop-in replacement for Bimba PneuTurn PT-017045
  - Longer life - 5 million cycles
  - Sealed ball bearings to ensure shaft stability
  - Space-saving design
  - Smooth, precise movement
  - Built-in rail bearing for maximum rigidity and moment capacity
  - Supported saddle to reduce wear and play
  - Multiple bore sizes and long travel lengths available
  - Replacement for Tolomatic Series BC2 or Origa Series P120 rodless cylinders on Unipress Triple Buck Unloader

---

**Series RL Rotary Actuator**
- Drop-in replacement for Bimba PneuTurn PT-017045
- Longer life - 5 million cycles
- Sealed ball bearings to ensure shaft stability

**Series SFP Slide**
- Smooth, precise movement
- Built-in rail bearing for maximum rigidity and moment capacity
- Supported saddle to reduce wear and play
- Multiple bore sizes and long travel lengths available
- Replacement for Tolomatic Series BC2 or Origa Series P120 rodless cylinders on Unipress Triple Buck Unloader

---

**CompAir PneuTurn Replacement**
- Complete Modular Device including gripper, rotary and slide
### Sorting/Conveying Solutions

**ML306554 Stopper Cylinder with ML306576 & ML306577 kits**
- Garment diverter
- Bosch 0822010500
- Jensen 06275-802
- Direct replacement for Bosch #0822010500 and Jensen 60275-802
- Short stroke cylinder used to divert clothing on overhead conveyors

**ML310223 Diverter Cylinder**
- Garment diverter
- Watson replacement
- Direct replacement for Bosch #0822010501
- Available with thread mounting holes (ML306345) or with thru mounting holes (ML306554). Both have 12 mm bore and 10 mm stroke
- ML306345 and ML306554, PHD diverter cylinders, mount into the same space with the same bolt pattern as the Bosch cylinder
- Double acting (single acting available)
- Available with dry film lubrication

**QT268242 Diverter Cylinder**
- Garment diverter from main overhead conveyor to batching lines
- SMC NCQ2B12-30DC replacement cylinder
- Direct replacement for SMC NCQ2B12-30DC
- Tested for 5 million cycle life
- Fully field repairable unit
- Double acting (single acting available)

**ML306345 Discharge Cylinder**
- Garment diverter from main overhead conveyor to batching lines
- Bosch 0822010501
- Jensen 401714-81
- Direct replacement for Bosch #0822010501
- Available with thread mounting holes (ML306345) or with thru mounting holes (ML306554). Both have 12 mm bore and 10 mm stroke
- ML306345 and ML306554, PHD diverter cylinders, mount into the same space with the same bolt pattern as the Bosch cylinder
- Double acting (single acting available)

**ML312034 Diverter Cylinder**
- Garment diverter from main overhead conveyor to batching lines
- SMC NCQ2B12-10TM replacement cylinder
- Direct replacement for SMC NCQ2B12-10TM
- Tested for 5 million cycle life
- Fully field repairable unit
- Double acting (single acting available)

**QT264731 Diverter Cylinder**
- Garment diverter from main overhead conveyor to batching lines
- SMC CQ2B16-25D replacement cylinder
- Direct replacement for SMC CQ2B16-25D
- Tested for 5 million cycle life
- Fully field repairable unit
- Double acting (single acting available)

**QT272012 Diverter Cylinder**
- Garment diverter from main overhead conveyor to batching lines
- Bimba F0-020.375 replacement cylinder
- Direct replacement for Bimba F0-020.375
- Tested for 5 million cycle life
- Fully field repairable unit
- Double acting (single acting available)

### Ordering Chart

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>306345-SB</td>
<td>Threaded mounting holes in body with external rod spring and rod end cap</td>
</tr>
<tr>
<td>306345-SP</td>
<td>Threaded mounting holes in body with spacer to limit stroke to 7.5 mm</td>
</tr>
<tr>
<td>306554-SB</td>
<td>Thru mounting holes in body with external rod spring and rod end cap</td>
</tr>
<tr>
<td>306554-SP</td>
<td>Thru mounting holes in body with spacer to limit stroke to 7.5 mm</td>
</tr>
</tbody>
</table>
ML306554 Stopper Cylinder with ML306576 & ML306577 kits
- Garment diverter
- Bosch 0822010500
- Jensen 60275-802

ML306345 Discharge Cylinder
- Garment diverter from main overhead conveyor to batching lines
- Bosch 0822010501
  Jensen 401714-81

ML311696 Drain Cylinder
- Industry specific corrosion resistant

ML307798 Drain Cylinder
- Ellis replacement
- Side load or open pocket

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</table>

2 DAY shipping

NEXT DAY shipping on these select units

- ML306554 Stopper Cylinder with ML306576 & ML306577 kits
- ML306345 Discharge Cylinder
- ML311696 Drain Cylinder
- ML307798 Drain Cylinder

Shipping2 DAY

NOTES:
1) ALL DIMENSIONS ARE FOR REFERENCE ONLY. STD TITLE BLOCK DIMENSIONS DO NOT APPLY.
2) UNIT CONSISTS OF A CUSTOM CRS SERIES CYLINDER (63mm BORE x 2-3/4" STROKE) WITH A CUSTOM FLANGE TO MATCH CUSTOMER CYLINDER MOUNTING.
3) SEE TITLE BLOCK FOR FULL SERIES CRS DESCRIPTION THIS CUSTOM PRODUCT IS BASED ON.
4) 4X THRU & C‘BORE FOR A 1/4" SHCS THREAD MIN
5) 4X 1/8-27 NPT PORT (5.420 [137.7]) RETRACTED
6) 4X 5/16-18 UNC THREAD .900 MIN

on these select units

- ML306345-SP
- ML306554-SP
- ML306554-SB
- ML306554-SP
- ML306345-SB
- ML306345-SP
<table>
<thead>
<tr>
<th>PROCESS</th>
<th>MACHINE/USE</th>
<th>COMPETITOR &amp; PART #</th>
<th>PHD PRODUCT</th>
</tr>
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<tbody>
<tr>
<td>Sorting</td>
<td>Jensen Metricon sorting system</td>
<td>SMC</td>
<td>NA025X100-D-60-DB</td>
</tr>
<tr>
<td>Conveying</td>
<td>Bag atmosphere side loader</td>
<td>SMC</td>
<td>NA025X100-D-60-DB</td>
</tr>
<tr>
<td>Drying</td>
<td>Challenge dryer</td>
<td>Oska</td>
<td>P124-0/29228-84</td>
</tr>
<tr>
<td>Folding</td>
<td>Jensen auto sort</td>
<td>Metal Work</td>
<td>1130505010XP</td>
</tr>
<tr>
<td>Finishing</td>
<td>Central Napkin Folder Indexing cylinder</td>
<td>Bosch</td>
<td>06Z0210009 323X30 ISO 6431 NEED PVDF MOUNT 52489-01-1</td>
</tr>
<tr>
<td></td>
<td>Jensen Napkin Folding machine indexing cylinder</td>
<td>Motion Controls</td>
<td>CHN5016S1490A154-1/2X14 WITH REMOVABLE MOUNTING PLATE</td>
</tr>
<tr>
<td></td>
<td>Chicago Dryer Sheet Cylinder</td>
<td>Bimba</td>
<td>FS-092-25</td>
</tr>
<tr>
<td></td>
<td>Jensen Napkin Folding machine folding flap cylinder</td>
<td>Bimba</td>
<td>SR-173-DP WITH PVDF MOUNT 60208-1-PHD</td>
</tr>
<tr>
<td></td>
<td>Jensen spreading machine</td>
<td>Metal Work</td>
<td>1130505008G-50X1000</td>
</tr>
<tr>
<td></td>
<td>Jensen towel folding machine</td>
<td>Metal Work</td>
<td>1130505008G-50X1000</td>
</tr>
<tr>
<td></td>
<td>Kanegessier towel picking machine (mounting change needed)</td>
<td>FESTO</td>
<td>DS1-32-160-P-PPV-A-8</td>
</tr>
<tr>
<td></td>
<td>Unipress triple back rotary</td>
<td>Bimba</td>
<td>BT-01709</td>
</tr>
<tr>
<td></td>
<td>Unipress triple back rotary</td>
<td>Tolomatic</td>
<td>SGD43x40-DB</td>
</tr>
<tr>
<td></td>
<td>Unipress triple back rotary</td>
<td>CompAir</td>
<td>R072</td>
</tr>
<tr>
<td></td>
<td>Unipress triple back or Colman shirt press modular device replacement</td>
<td>Unipress or Colman</td>
<td>263485</td>
</tr>
<tr>
<td></td>
<td>Emblem machine</td>
<td>Texas Automation</td>
<td>D05-40</td>
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**Sorting**

- Jensen Metricon sorting system
- Bag atmosphere side loader

**Conveying**

- Bag atmosphere side loader

**Drying**

- Challenge dryer

**Folding**

- Jensen auto sort
- Jensen folder door flap
- Jensen folding machine
- Jensen folding machine
- Jensen rail bag system
- Jensen folding machine
- Jensen folding machine
- Central Napkin Folder Indexing cylinder

**Finishing**

- Jensen spreading machine
- Jensen towel folding machine
- Kanegessier towel picking machine (mounting change needed)
- Unipress triple back rotary
- Unipress triple back rotary
- Unipress triple back rotary
- Unipress triple back or Colman shirt press modular device replacement
- Emblem machine
PHD Standard Products

**CLAMPS**

- **PA Swing Arm Clamp**
  - Ideal for a wide variety of automated part holding and transfer applications

- **PEC Arm Over Clamp**
  - Superior part holding for assembly and welding applications
  - Up to 900 in-lb [102 Nm] torque

- **PLK Pin Locating Clamp**
  - For part holding and positioning in weld areas
  - Enclosed finger design keeps weld slag cut
  - 50 mm bore

- **PB Swing Arm Clamp**
  - Ideal for part holding and transfer welding applications

**CYLINDERS**

- **CR and CT Cylinders**
  - Compact size
  - 8 bore sizes from 12 to 63 mm

- **SFM Slide**
  - Multiple midstops
  - Space saving rodless slide design
  - Lowest deflection and highest moment capacity combination in the industry

- **SHP Slide**
  - Low profile design utilizes rail bearing technology for smooth precision movement
  - Multiple mounting surfaces
  - 3 sizes with up to 2.953" [75 mm] of travel
  - Typical loads up to 2.53 lb [11.25 N]

- **CV Cylinder**
  - Conforms to ISO 6432, 6431 and VDMA 24562 specifications
  - Available in eight sizes

- **SD/SE Slide**
  - Thruster style slides with up to 28" [700 mm] of standard travel
  - Typical loads up to 50 lb [223 N]

**SLIDES**

- **SIP Slide**
  - Precision ball or polymer bushings
  - Smooth linear motion at twice the thrust of a single bore cylinder
  - 5 bore sizes with travel lengths up to 6" [150 mm]
  - Typical loads up to 70 lb [311 N]

- **EGRK Gripper**
  - Electric parallel gripper with long or short jaw travels with high force or high speed

- **GRF Gripper**
  - Low profile to fit limited space applications
  - Jaw covers help prevent contamination
  - Rugged jaw support, hardened jaws, and hardcoated bearing surfaces for long life
  - 4 sizes with grip forces up to 116 lb [516 N]

**GRIPPERS**

- **GRW Gripper**
  - Large tooling surfaces and precision dowel holes for accurate tooling attachment
  - Long tooling lengths and high moment capabilities
  - Reduced deflection

- **GRS Gripper**
  - Low profile, high force
  - Rugged jaw support, hardened jaws and hardcoated bearing surfaces
  - 5 sizes
  - 2 jaw travels each size

- **GRB Gripper**
  - Three total jaw rotations are available
  - 60°, 90°, and 180°
  - 6 sizes
  - Grip forces up to 549 lb [2443 N] at 1.90" [48.3 mm] from pivot

- **GRK Gripper**
  - Highest grip force in its class
  - Precision jaw movement wear compensating over life of unit
  - High moment capacity for longer tooling and greater part weights

- **ECR Electric Slide**
  - Longer stroke up to 1000 mm
  - Faster speed than competitor
  - Precision ball screw
  - Inline or foldback motor mounting

**ROTARIES**

- **RIS Rotary**
  - Eliminates external air lines
  - High torque
  - High axial load capacity

- **RA Rotary**
  - Retains zero backlash
  - 5 sizes and 6 standard rotations

**ML310393 Electric Slide with Washdown**

- **SIP Slide**
  - Longer stroke up to 1000 mm
  - Faster speed than competitor
  - Precision ball screw
  - Inline or foldback motor mounting

- **SM Slide**
  - Precision ball or polymer bushings
  - Smooth linear motion at twice the thrust of a single bore cylinder
  - 5 bore sizes with travel lengths up to 6" [150 mm]
  - Typical loads up to 70 lb [311 N]
  - Long life

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  - Precision ball or polymer bushings
  - Smooth linear motion at twice the thrust of a single bore cylinder
  - 5 bore sizes with travel lengths up to 6" [150 mm]
  - Typical loads up to 70 lb [311 N]
  - Long life

**PHD Standard Products**

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