



**In this Issue:**

**Welker Anniversary**

**Engineering Spotlight: Slide Calculator**

**Automate 2022**

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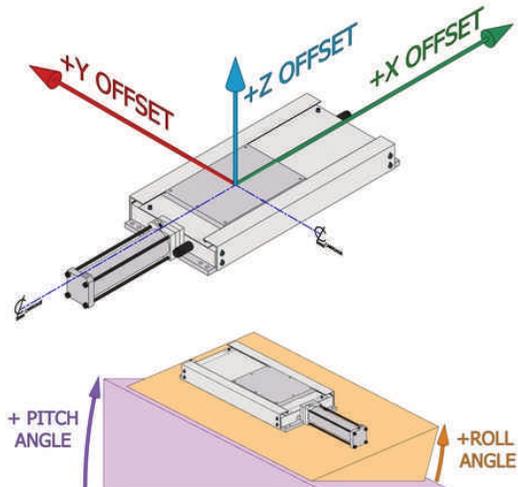
## **Welker is 50!**

In 2022, Welker is celebrating the 50th anniversary of its founding in 1972. Over the decades, Welker has grown from a bearing supply company to a leading automation component design and manufacturer, bringing many innovative products to market. While the company's services and operations have expanded, Welker's commitment to quality and customer service has remained constant.



## New Slide Calculator

Welker is beta testing a new online calculator for powered slides to help verify your slide selection or find a suitable slide for your application. Easy to use – enter stroke, payload, offsets, and unit inclines. The calculator will determine the available capacity or indicate the alternate slide(s) suited to handle your payload. Available soon!



## How are we doing?

Please take a minute to complete our quick 3-question online survey:

[Click here](#)

## Save the date!

Welker will be exhibiting at Automate, June 6-9, at the Huntington Center in Detroit (formerly Cobo Hall). Automate is the largest solutions-based showcase of automation technologies in North America. Stop by booth #1238 and say hello to the Sales Team!





**In this Issue:**

**New Product ~ BP1 Lockout**

**Welker at Automate 2022**

**Upcoming MES Slide**

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## **New Product Release: BP1 Lockout Pin**

BP1 Lockout Pins are a compact motion security solution that feature a pneumatic retractable pin. With optional spring extend, an air loss mechanically triggers pin extension. Promotes safe machine operation and maintenance. BP1 with 3/4" diameter pin provides 750lbf lockout load capacity, available in 25 and 50mm strokes. BP1 with 1/2" diameter pin provides 500lbf lockout load capacity with 25mm stroke. All units offer multi-side mounting: base mount or pilot nose mount. Optional cylinder switch. Available soon!



## Welker at Automate in Detroit

Automate is back in Detroit this year, June 6-9 at the Huntington Center (formerly Cobo Hall). Stop by booth #1238 and say hello to the Welker Sales Team! Automate is the largest solutions-based showcase of automation technologies in North America. Register to attend the show at no cost <https://www.automateshow.com/>



## Video Spotlight

Get a sneak peek of the new MES mini extrusion slide:





**In this Issue:**

**New Look for Welker Products**

**Slide Calculator Now Available**

**Welker Exhibiting at IMTS in Chicago**

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**New look!**

Welker products are “putting on the tuxedo” for a new look! Steel details that have been traditionally gold in color will now be black. The new look will be gradually applied, as existing gold inventory is depleted. Gold will still be available, upon request, to maintain existing program appearance.



## Slide Calculator now available!

The new Welker online calculator is now available for R2, NL3, WL3, LP and VOSS series power slides. Easy to use – enter stroke, payload, offsets, and unit inclines. The calculator will determine the available capacity or indicate the alternate slide(s) suited to handle your payload. Saved calculations are printed to PDF, and accessible for 90 days via My Account (user account required).

### Power Slide Calculator

Released 7/5/22

Saved calculations will be accessible for 90 days. To access saved calculations on the Welker website, go to **My Account** > **Calculator** tab.

Debug?

Select
Instructions

Input	Value	Unit
SLIDE MODEL	LPM	Metric
DESIRED PAYLOAD Payload: Up to 113 kg	100	kg
TOTAL STROKE Standard stroke: <a href="#">75</a> , <a href="#">135</a> , <a href="#">195</a> , <a href="#">255</a> , <a href="#">315</a> , <a href="#">375</a> , <a href="#">435</a> , <a href="#">495</a> mm	255	mm
X-OFFSET (SEE IMAGE) Recommended Range: ± 260 mm	0	mm
Y-OFFSET (SEE IMAGE) Recommended Range: ± 180 mm	0	mm
Z-OFFSET (SEE IMAGE) Recommended Range: ± 180 mm	100	mm
PITCH ANGLE (SEE IMAGE) Range: ± 360 deg	0	deg
ROLL ANGLE (SEE IMAGE) Range: ± 360 deg	0	deg
LINE PRESSURE Pressure: From 60 psi	60	psi

**Notes:** Angles shown are positive, for an opposite orientation use negative angle inputs. A positive (+) pitch angle indicates cylinder extends upward; a negative (-) pitch angle indicates the cylinder extends downward.

## Welker at IMTS

Welker will be in Chicago, September 12-17, for the International Manufacturing Technology Show. Visit the Sales Team and say hello. Booth locations are changing - click on Find Exhibitors when arriving.

<https://www.imts.com/>

See you there!





**In this Issue:**

**Process Improvements**

**Sales spotlight: DEG Components**

**Reps at Welker for Product Training**

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## **Process Improvements**

Recent manufacturing improvements at Welker include moving finish grinding in-house, to improve lead times and help offset raising material costs.

Also, a new Doosan Vertical Mill was purchased for increased thru-put and more efficient programming & set-up. Image on right is the Doosan mill machining a slide base plate.



## Sales Spotlight: DEG Components

Welker is now represented in Northern California and Northern Nevada by David Gastel and Paul Parenti of DEG Components. Specializing in polymer and metallic component solutions, DEG serves a range of markets - medical, food and beverage, semiconductor, and general industrial. Contact their office in Rocklin, CA at (408) 718-5233.



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Dan Peterchak and Ian Parsons of Mechanical Resources joined Alena Dumas and Erik Venz of EPSCO for on-site product training at Welker in October.

