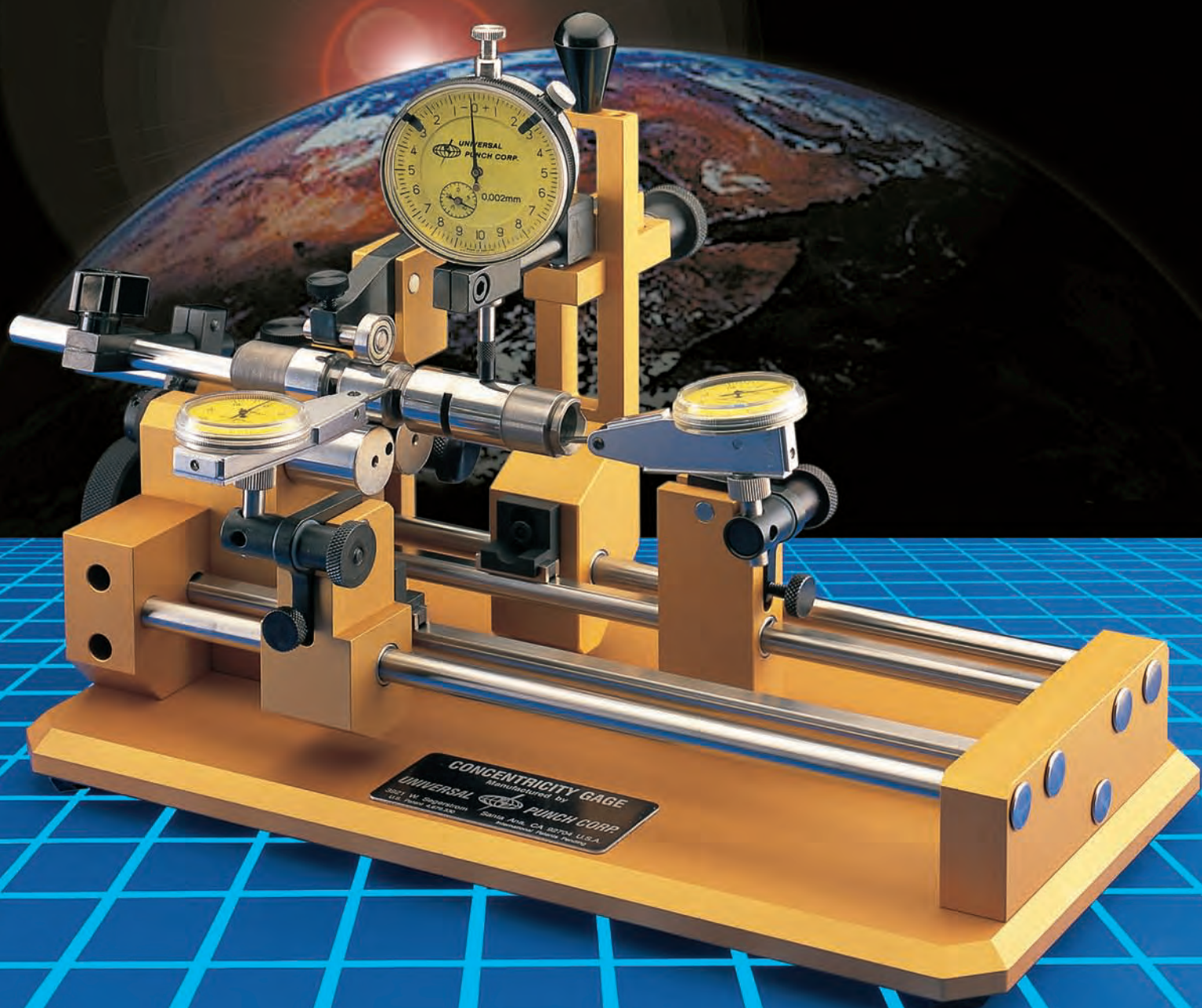


# ***UNIVERSAL CONCENTRICITY GAGING SYSTEM***

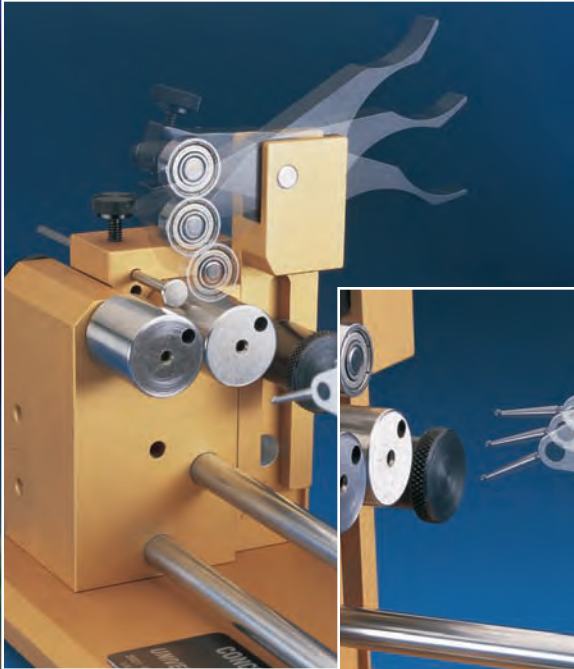


***THE MODERN WAY TO INCREASE GAGING EFFICIENCY***



# Standard Gaging Features

Accurate and reliable measurements are a key factor in today's competitive manufacturing environment. Universal's patented Concentricity Gaging Systems offer less than 2 microns accuracy that has proven results in a variety of industrial applications. Continuous improvements to its modular design adapts to customer requirements and provides the flexibility necessary for maintaining quality.



This gage system utilizes four simple features:

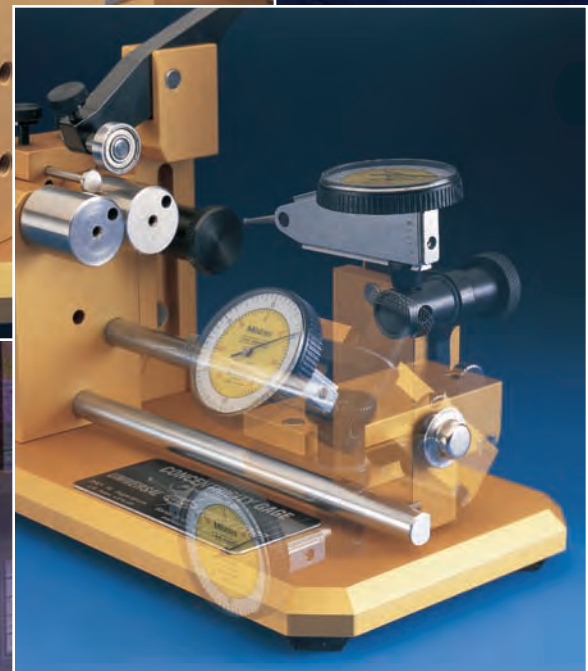
1) Adjustable multi-position top arm yoke assembly offers a variety of clamping pressures and positions to accommodate a range of part diameter sizes.



2) All Standard Indicator Carriers have fine adjustment screws that provide accurate indicator probe positioning, zeroing and provide smooth indicator movement to increase measuring performance and accuracy.



3) All gages come standard with a manual Drive Timing Belt Pulleys System that provides a constant smooth part rotation when inspecting. (Optional) 110/220 volts AC/DC fixed speed or variable speed motorized drive systems are available.



4) All carriers offer a variety of positions that move along the -Z- axis of the carrier rod assembly. The carrier tilts 90 degrees to facilitate easy loading and unloading of parts.



#### **A-10 Model**

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 3" (76mm)

Gage Length: 8.5" (216mm)

Gage Width: 4.5" (114mm)

Shipping Weight: 4.5lb. (2.0kg.)

3/32" (1mm) Capacity with Zero Style Rollers



**Model A-10**

#### **B-10 Model**

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Gage Length: 10.5" (267mm)

Gage Width: 4.5" (114mm)

Shipping Weight: 4.9lb. (2.2kg.)

3/32" (1mm) Capacity with Zero Style Rollers



**Model B-10**

#### **B-20 Model**

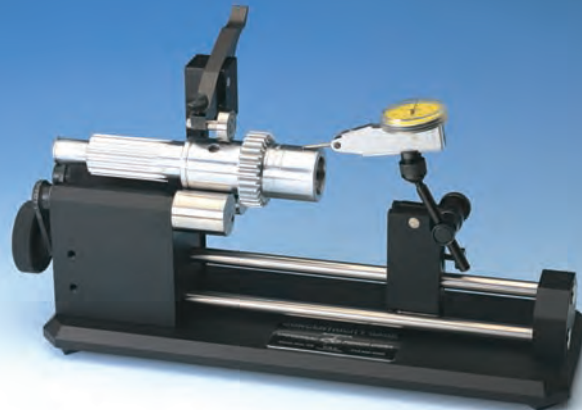
Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Gage Length: 12.5" (318mm)

Gage Width: 4.5" (114mm)

Shipping Weight: 6.4lb. (2.9kg.)



**Model B-20**

#### **B-40 Model**

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to 8" (203mm)

Gage Length: 14.5" (368mm)

Gage Width: 6" (152mm)

Shipping Weight: 11.2lb. (5.1kg.)



**Model B-40**



## Model E



### E-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

### E-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

### E-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to 8" (203mm)

Shipping Weight: 11.2lb. (5.1kg.)

## Model F



### F-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

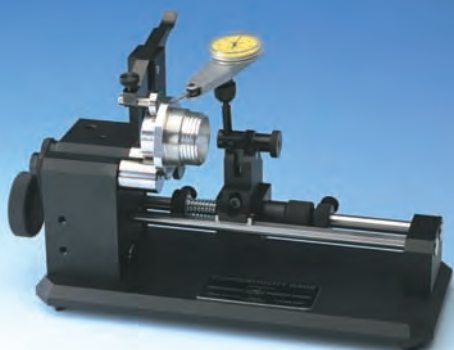
### F-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

## Model G<sup>1</sup>



### G1-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

### G1-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

### G1-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to 8" (203mm)

Shipping Weight: 11.2lb. (5.1kg.)

## Model G<sup>2</sup>



### G2-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

### G2-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

### G2-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to 8" (203mm)

Shipping Weight: 11.2lb. (5.1kg.)



**H-10 Model**  
 Part Diameters: 1/8" to 1" (3mm to 25mm)  
 Part Lengths: Up to 12" (305mm)  
 Shipping Weight: 7.5 lb. (3.4kg.)

**H-20 Model**  
 Part Diameters: 3/8" to 2" (10mm to 50mm)  
 Part Lengths: Up to 12" (305mm)  
 Shipping Weight: 8.5lb. (3.9kg.)

**H-40 Model**  
 Part Diameters: 3/4" to 4" (20mm to 102mm)  
 Part Lengths: Up to 12" (305mm)  
 Shipping Weight: 11.2lb. (5.1kg.)

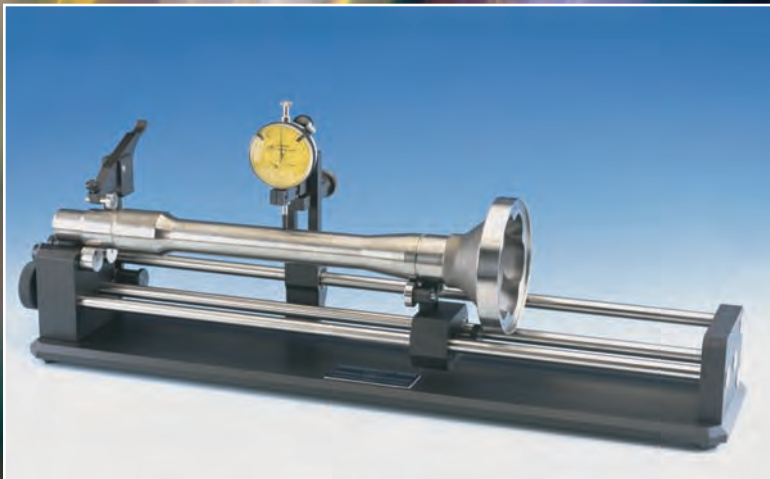


**Model H**

**HL-10 Model**  
 Part Diameters: 1/8" to 1" (3mm to 25mm)  
 Part Lengths: Up to 24" (610mm)  
 Shipping Weight: 24.5lb. (11.1kg.)

**HL-20 Model**  
 Part Diameters: 3/8" to 2" (10mm to 50mm)  
 Part Lengths: Up to 24" (610mm)  
 Shipping Weight: 26.5lb. (12kg.)

**HL-40 Model**  
 Part Diameters: 3/4" to 4" (20mm to 102mm)  
 Part Lengths: Up to 24" (610mm)  
 Shipping Weight: 29.5lb. (13.5kg.)



**Model HL**

**JLS-10, JLP-10, J-10 Models**  
 Part Diameters: 1/8" to 1" (3mm to 25mm)  
 Part Lengths: Up to 4" (102mm)  
 Shipping Weight: 3.5lb. (1.6kg.)

**J-20 Model**  
 Part Diameters: 3/8" to 2" (10mm to 50mm)  
 Part Lengths: Up to 6" (152mm)  
 Shipping Weight: 4.4lb. (2.0kg.)

**J-40 Model**  
 Part Diameters: 3/4" to 4" (20mm to 102mm)  
 Part Lengths: Up to 8" (203mm)  
 Shipping Weight: 9.2lb. (4.2kg.)



**Model J**

**K1-10 Model**  
 Part Diameters: 1/8" to 1" (3mm to 25mm)  
 Part Lengths: Up to 4" (102mm)  
 Shipping Weight: 11.5lb. (5.2kg.)

**K1-20 Model**  
 Part Diameters: 3/8" to 2" (10mm to 50mm)  
 Part Lengths: Up to 6" (152mm)  
 Shipping Weight: 14.8lb. (6.8kg.)

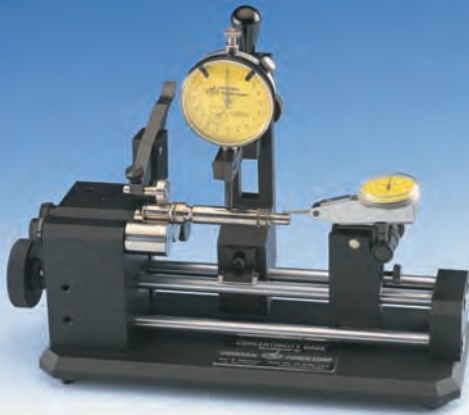
**K1-40 Model**  
 Part Diameters: 3/4" to 4" (20mm to 102mm)  
 Part Lengths: Up to 8" (203mm)  
 Shipping Weight: 18.5lb. (8.4kg.)



**Model K<sup>1</sup>**



## Model K<sup>2</sup>



### K2-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 4" (102mm)  
Shipping Weight: 4.9lb. (2.2kg.)

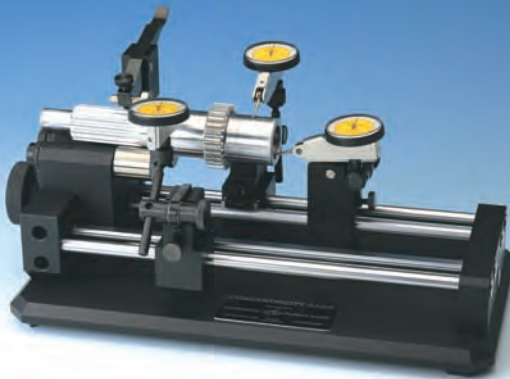
### K2-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### K2-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Shipping Weight: 18.5lb. (8.4kg.)

## Model KK<sup>1</sup>



### KK1-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 4" (102mm)  
Shipping Weight: 4.9lb. (2.2kg.)

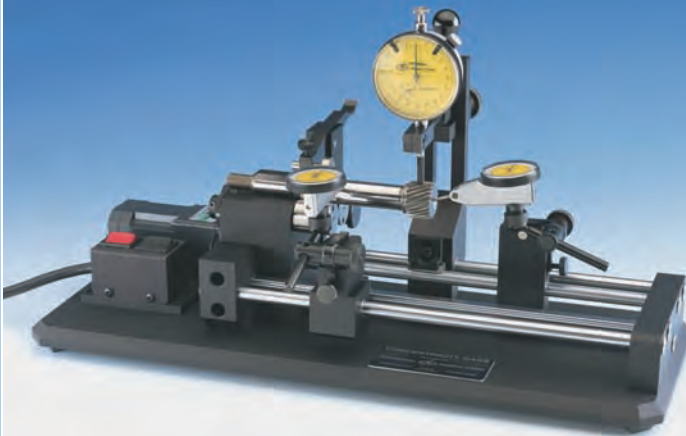
### KK1-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### KK1-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Shipping Weight: 18.5lb. (8.4kg.)

## Model KK<sup>2</sup>



### KK2-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 4" (102mm)  
Shipping Weight: 4.9lb. (2.2kg.)

### KK2-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### KK2-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Shipping Weight: 18.5lb. (8.4kg.)

(Optional Motorized Drive Unit Shown)

## Model LG



### LG-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 3.5lb. (1.6kg.)

### LGM-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 3.7lb. (1.8kg.)  
Fixed Speed AC 110v/220v 1w/60hz

(Stepping Motorized Drive Units Available)



# Main Rollers Selection

<b>Full Plain 110FP, 120FP, 140FP</b> 	<b>Half Plain 110HP, 120HP, 140HP</b> 	<b>Quarter Plain 110QP, 120QP, 140QP</b> 
<b>Full Zero Rollers 110FZ</b> 	<b>Half Zero Rollers 110HZ</b> 	<b>Quarter Zero Rollers 110QZ</b> 
<b>Model H &amp; HL Rollers</b> 	<b>Extra Thin Zero Rollers</b> 	<b>Special Rollers</b> 

# Top Rollers Selection

<b>3/8" x 1/8" (9,5 x 3,2)</b> 	<b>1/2" x 3/16" (12,7 x 4,8)</b> 	<b>5/8" x 3/16" (15,8 x 4,8)</b> (Standard With -10 Gages) 	<b>3/4" x 9/32" (19 x 7,1)</b> (Standard With -20 Gages) 	<b>Zero Style Roller</b> 
<b>3/4" x 1/2" (19 x 13)</b> (Standard With -40 Gages) 	<b>1" x 5/8" (25 x 16)</b> 	<b>1" x 5/16" (25 x 8)</b> 	<b>Top "V" Roller</b> 	<b>Floating Pitch Roller</b> 

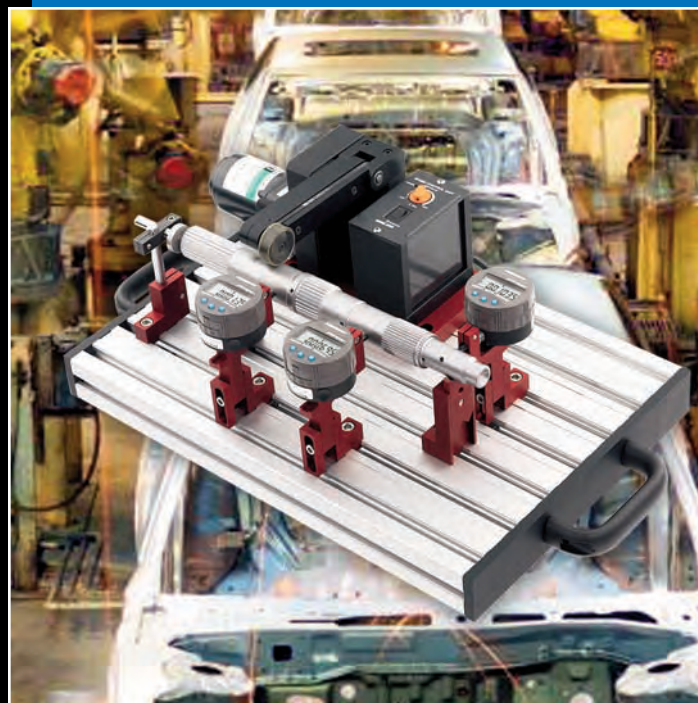




Universal Punch Corp. has been a leader in the tooling and gaging industry for over 45 years. As part of our continuing commitment to providing precision and excellence in all of our products we have expanded into a new 65,000 sq.ft. facility. Our new plant is equipped with increased machining capacity, expanded heat treating facilities, and a state of the art calibration and inspection laboratory. This new laboratory will ensure that all products sold conform to specifications for ANSI or ISO standards. All measuring equipment and gaging masters are directly traceable to N.I.S.T. certification processes and procedures will conform to ISO guide 17025. Universal Punch Corp. will be able to service your gaging requirements well into the twenty first century.



**CUSTOM BUILD & DESIGN GAGES**



**NEW GAGE-PRO SERIES**



**UNIVERSAL PUNCH CORP.**

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