



RAM SOLUTIONS, LLC

**UNIVER**<sup>®</sup>  
www.univer-group.com



Sold and Supported by  
RAM Solutions, LLC.

Servo Pivot

www.ramsolutions.com

# Advantages of Servo Power Pivot

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- This Pivot was designed to replace the Destaco or UNIVER 125, 160 and 200 series Pneumatic Power Pivots.

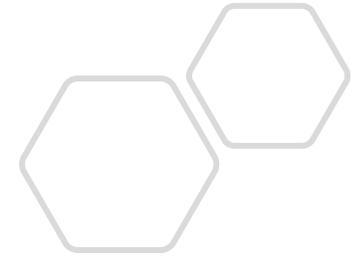
## Advanced Features:

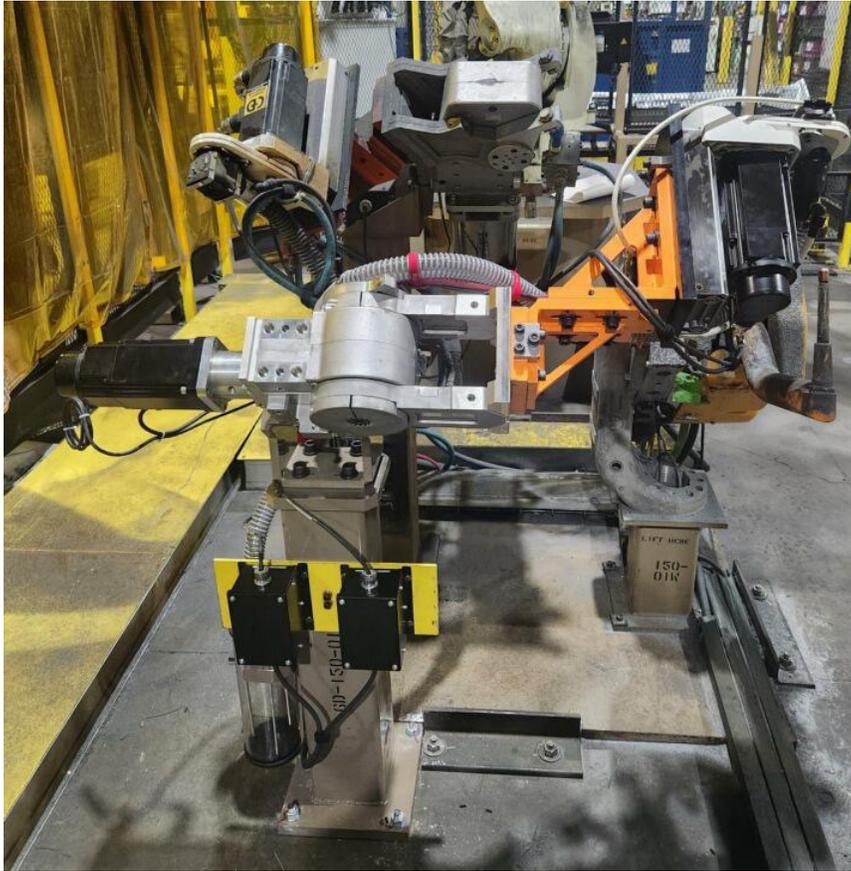
- **No Stored or trapped air!**
- Servo motion is controlled Entirely by Robot Software
- Speed is controlled by Robot Software, ensures no fast acceleration.
- Safer for operators to enter cell, unit is mechanically held by gearing and Motor brake.
- Manual Allen override ensure safer recovery from a crash.
- Cycle time can be controlled by Robot Software.
- Zero to 135 Degree openings, all fully programmable.
- Only one spare unit reduces Inventory.



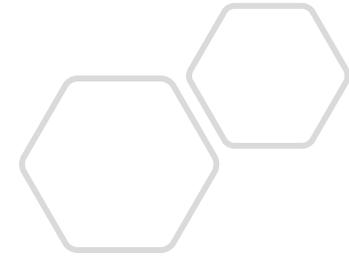


UNIVER Servo Pivot installation  
at Kawasaki Wixom



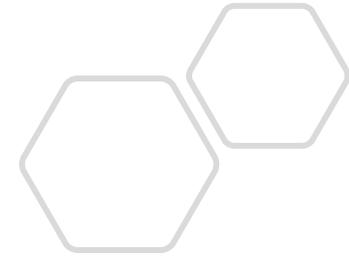


Actual Plant trial validation

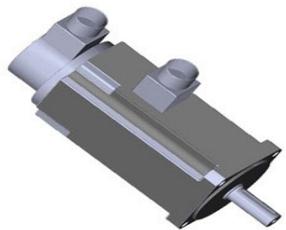
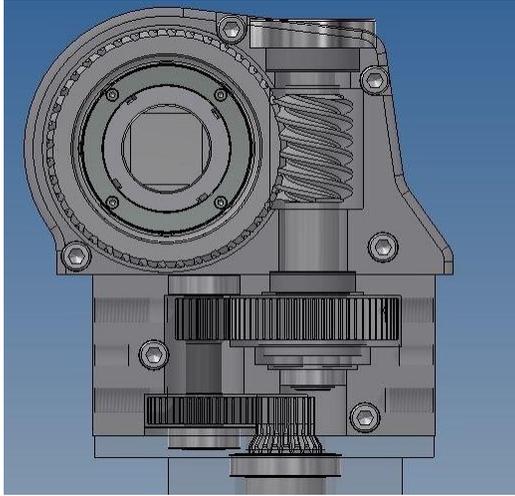




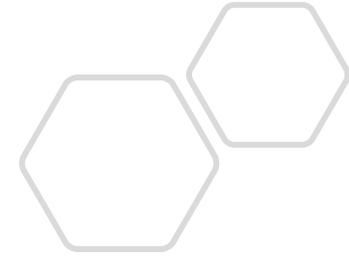
Fanuc Servo Motor with Brake  
option



# UNIVER Servo Pivot Utilizing the Kawasaki Motor

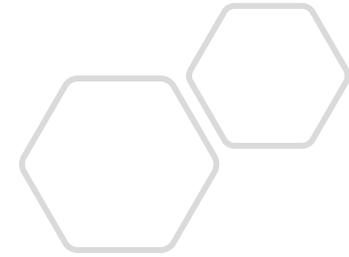


Kawasaki 2 KW Servo Motor with Break:  
R2AA1020AFCPKB





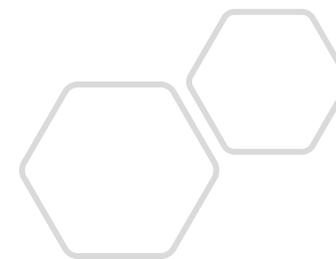
UNIVER Servo Pivot installation at  
Kawasaki Wixom





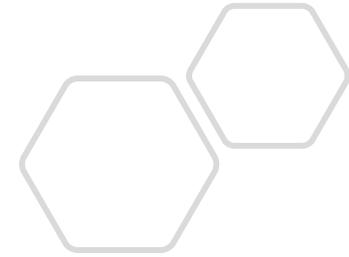
**Video of full motion and E stop**

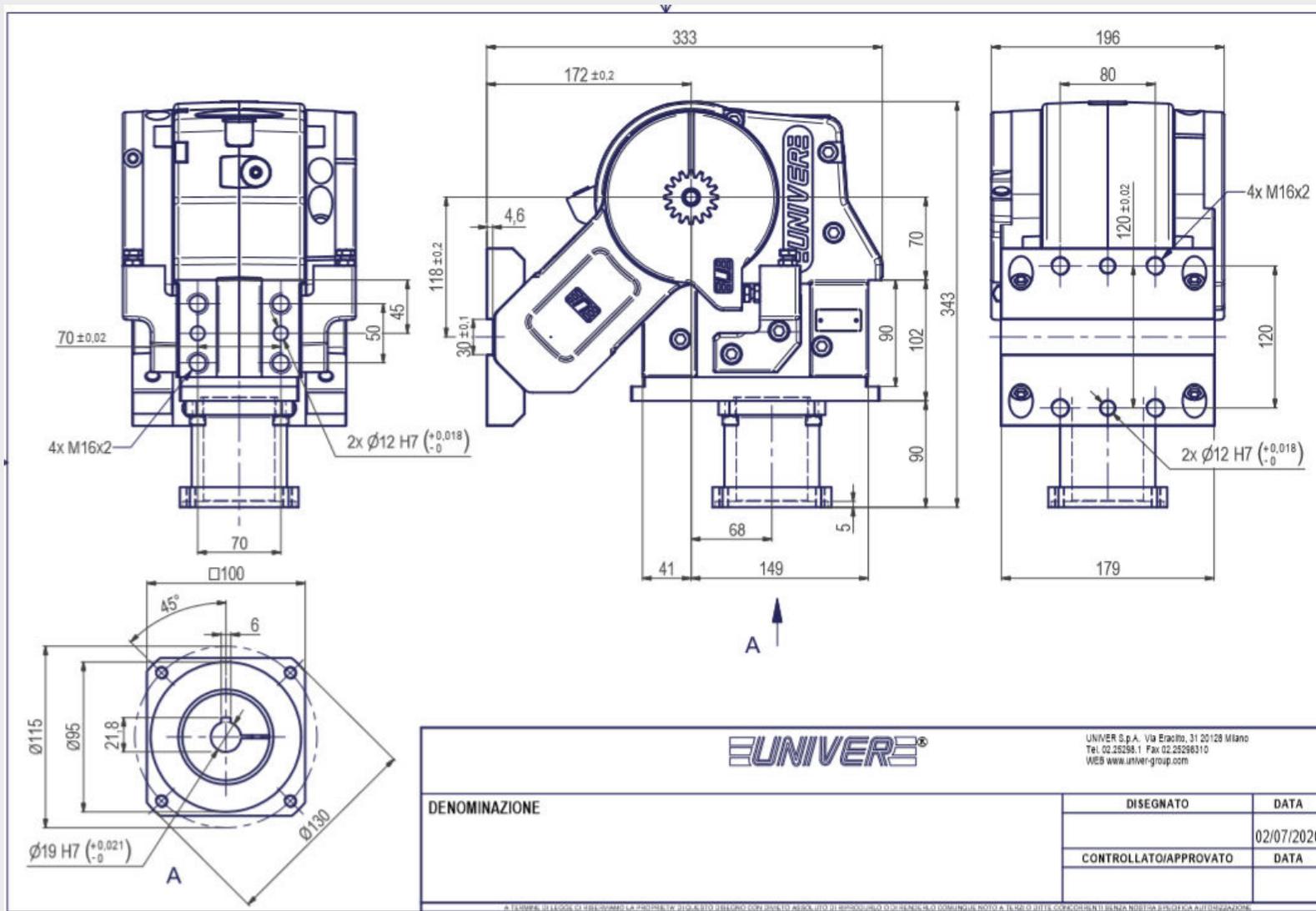
## UNIVER Servo Pivot installation at Kawasaki Wixom



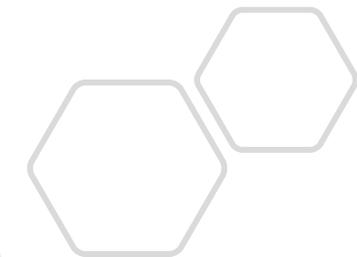


UNIVER Servo Pivot Integrated  
Manual override feature

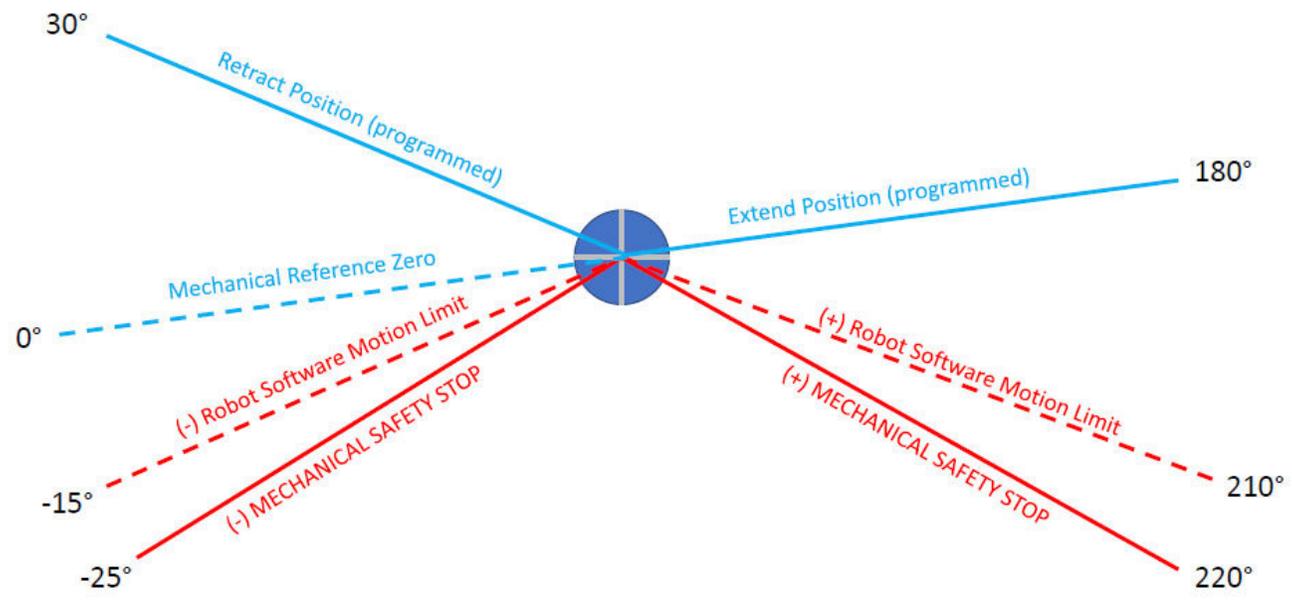




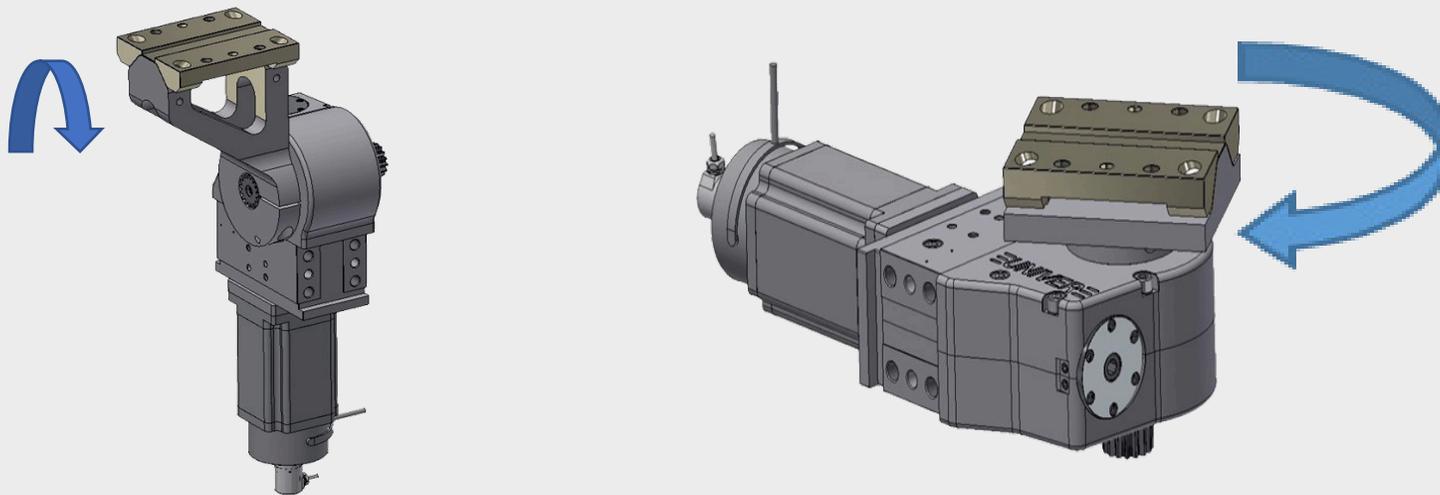
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		02/07/2020	
	CONTROLLATO/APPROVATO	DATA	



Kawasaki/Univer  
Servo Pivot  
Example Motion Profile



- Gear box ratio  $R_r = 81-1$
- Degrees of pivot rotation per 1 motor rotation  $4.44^\circ$
- 360-degree capability Recommended Speed  $0^\circ-135^\circ = 3$  seconds



# 350 Nm

- UEP servo pivot can handle all Ford body shop Pedestal Tip Dress applications .

