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Sold and Supported by
RAM Solutions, Inc.

Servo Pivot

www.ramsolutions.com

Advantages of Servo Power Pivot



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

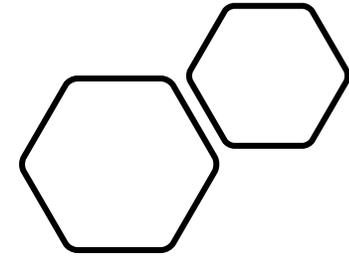
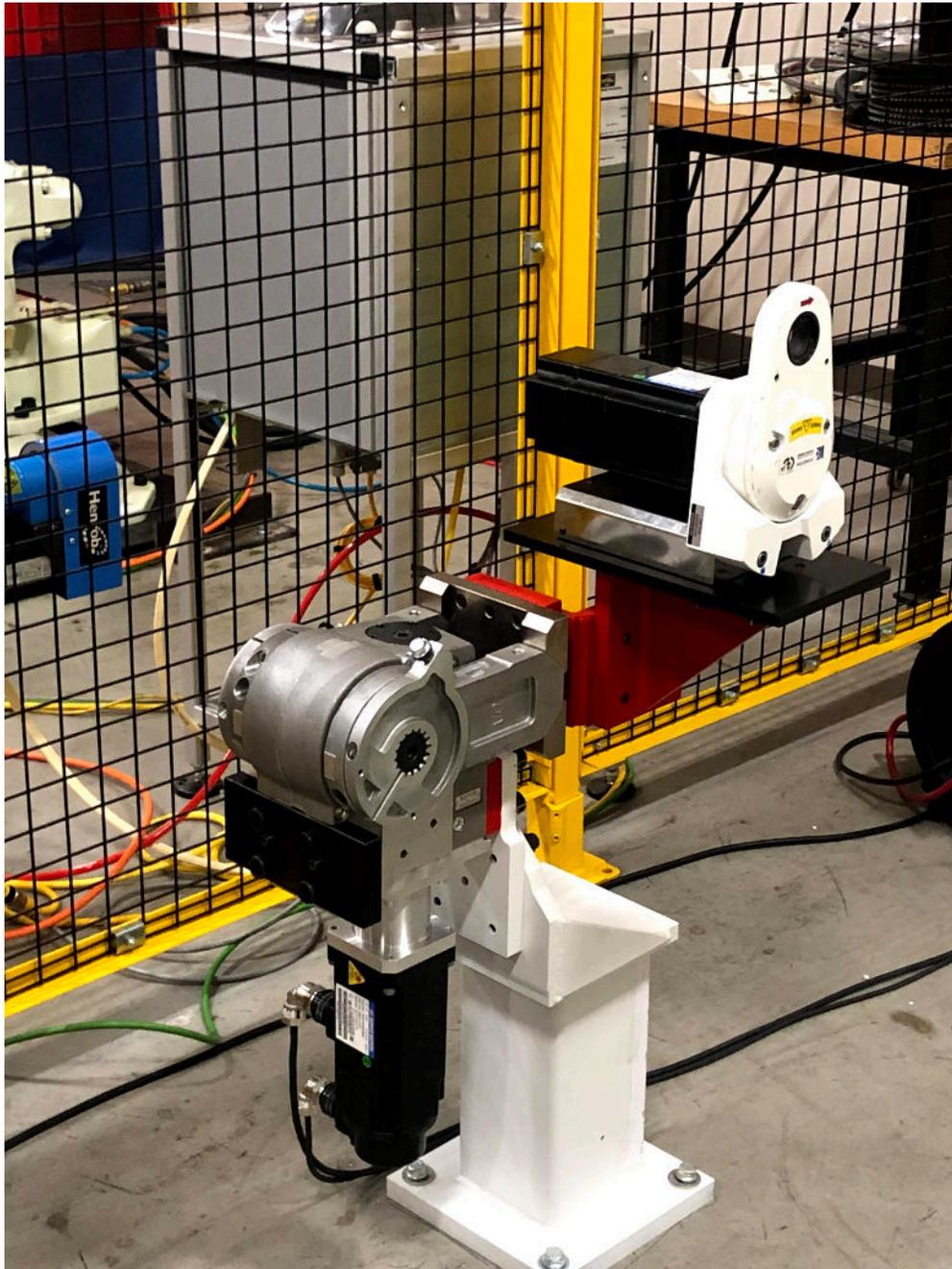
Advanced Features:

- ***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.



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UNIVER Servo Pivot installation
at Kawasaki Wixom

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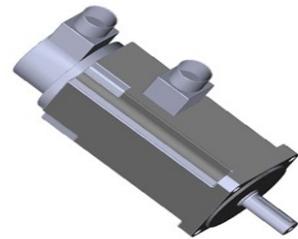
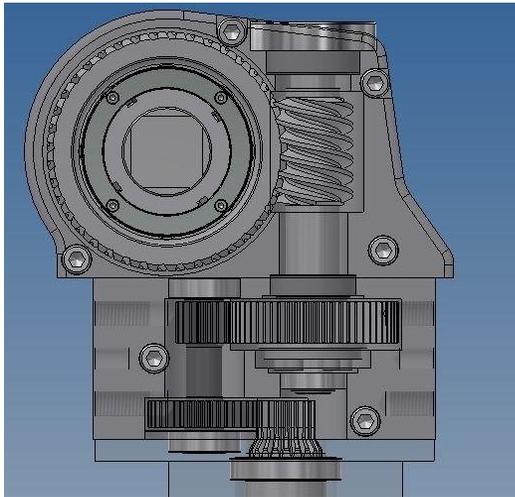
Actual Plant trial validation

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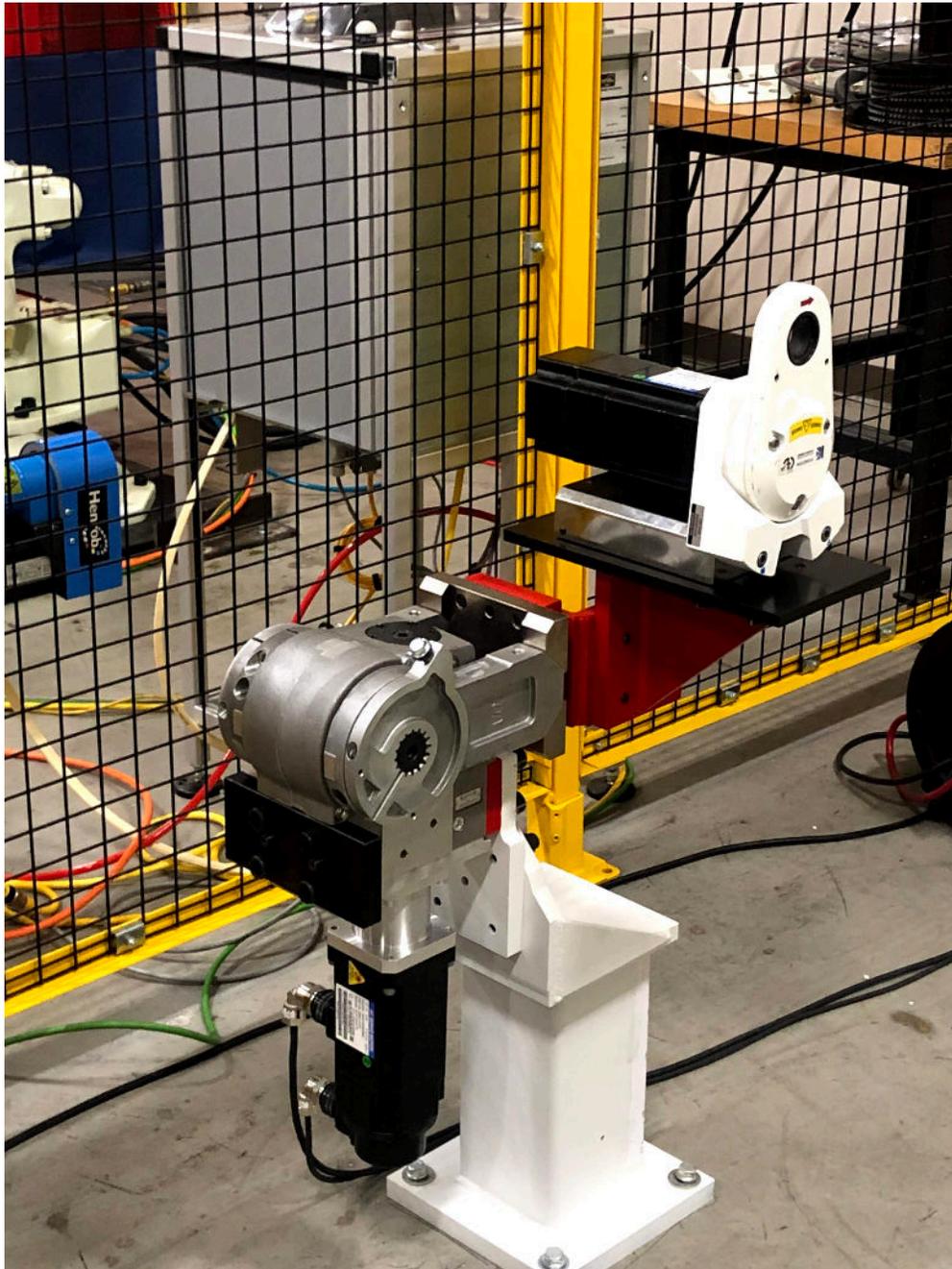
Fanuc Servo Motor with Brake option

UNIVER Servo Pivot Utilizing the Kawasaki Motor



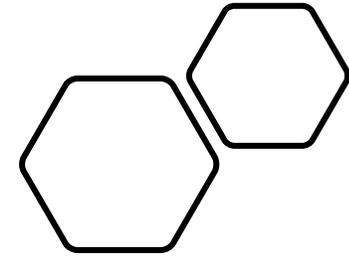
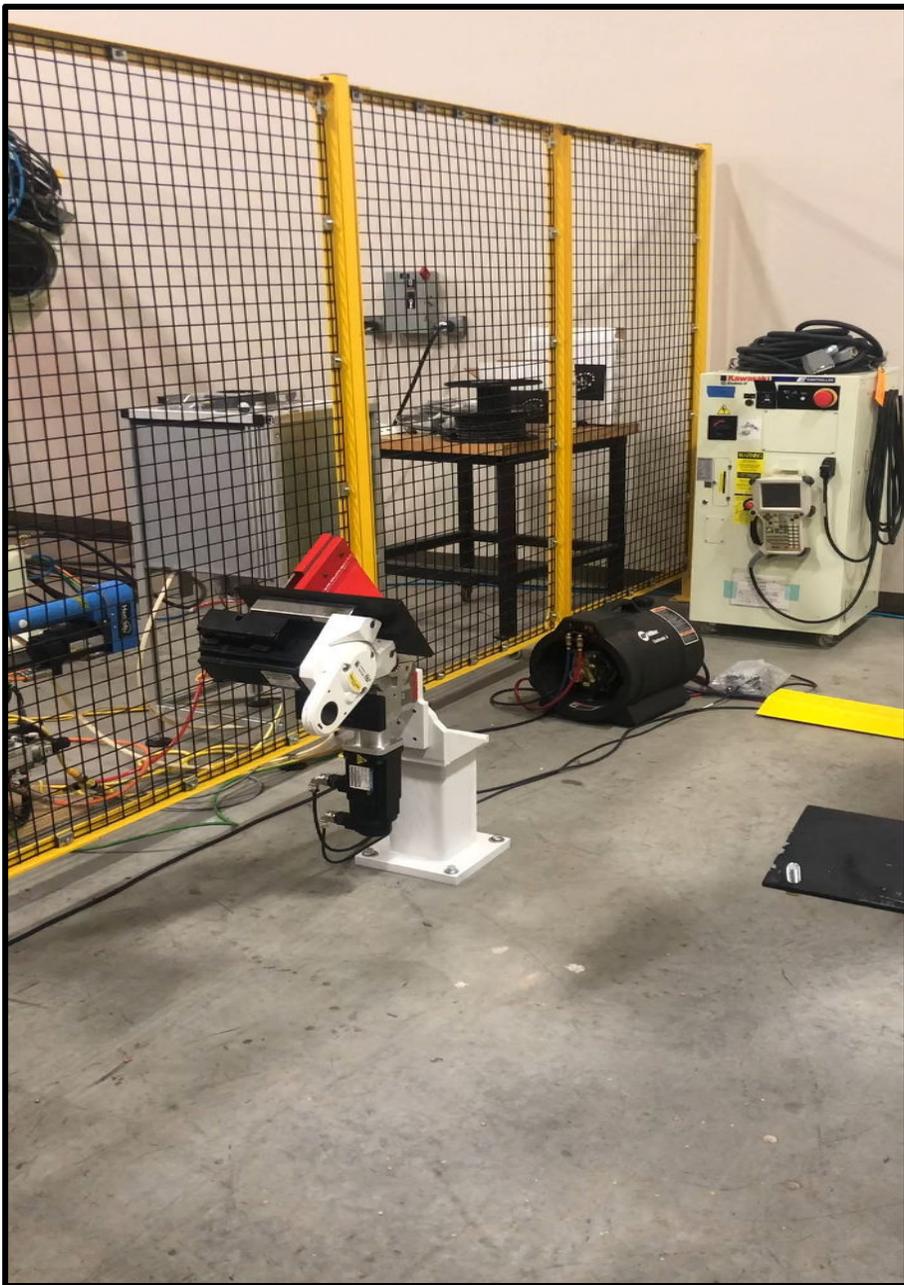
Kawasaki 2 KW Servo Motor with Brake:
R2AA1020AFCPKB

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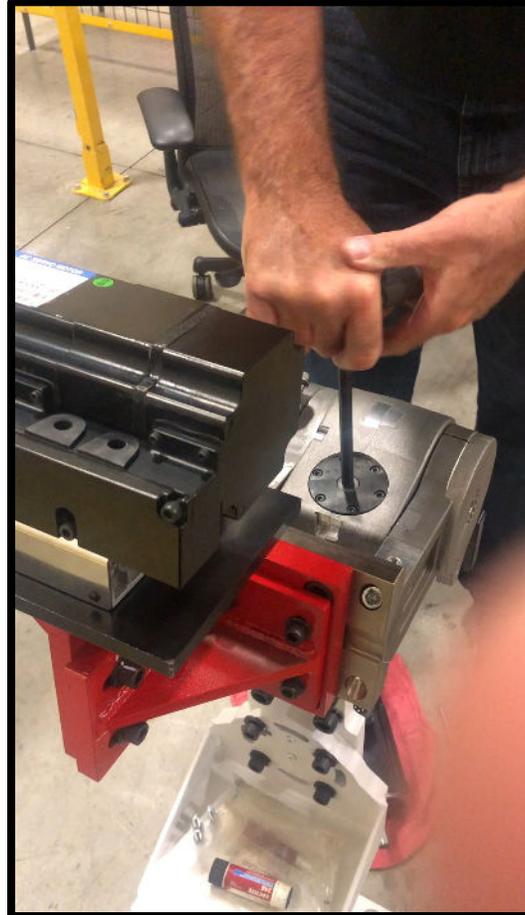


UNIVER Servo Pivot installation at Kawasaki Wixom

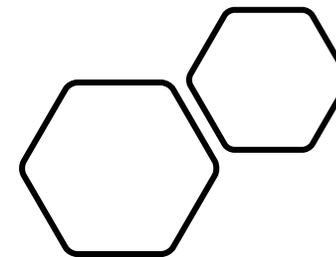
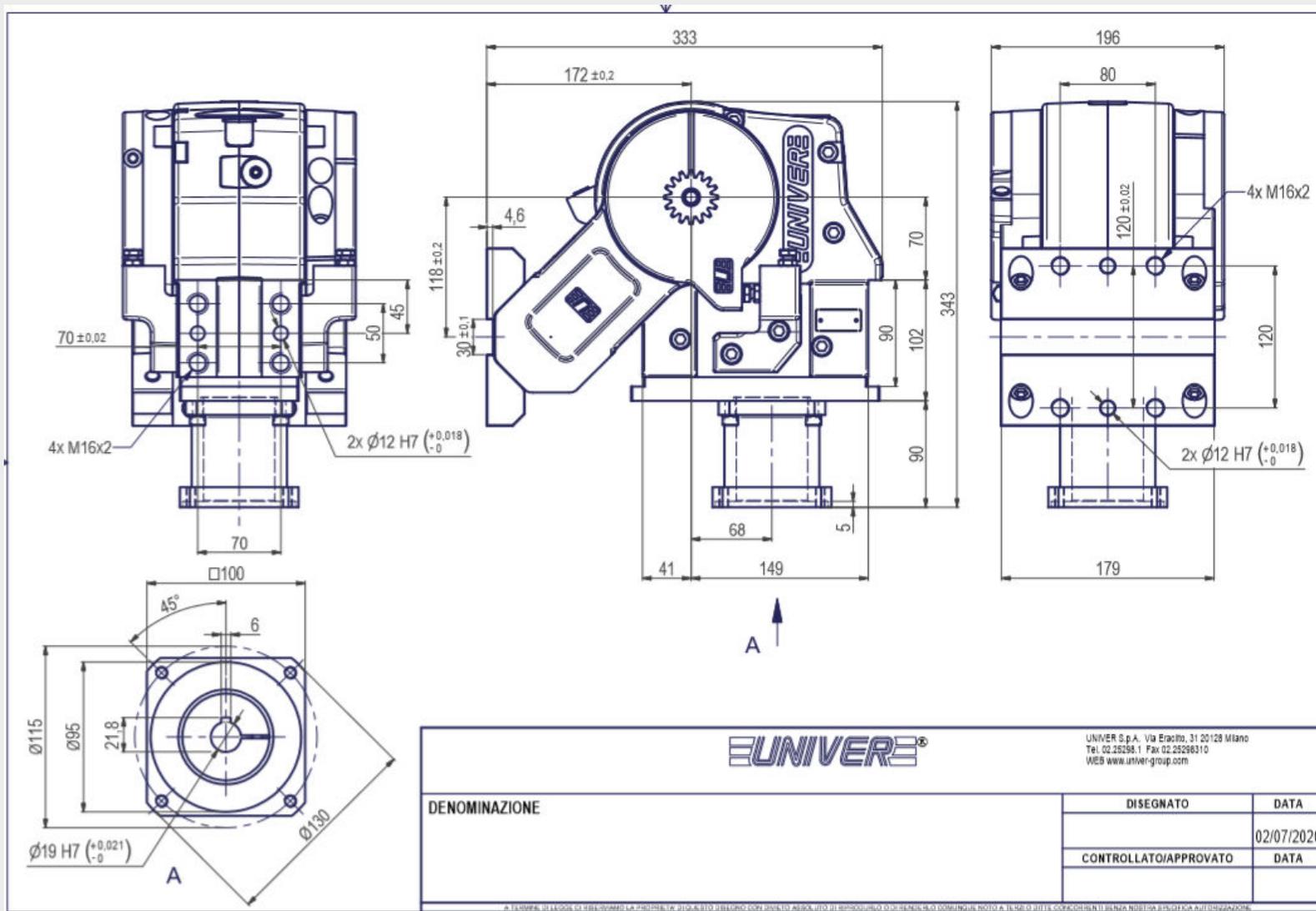
Video of full motion and E stop

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UNIVER Servo Pivot Integrated Manual override feature.



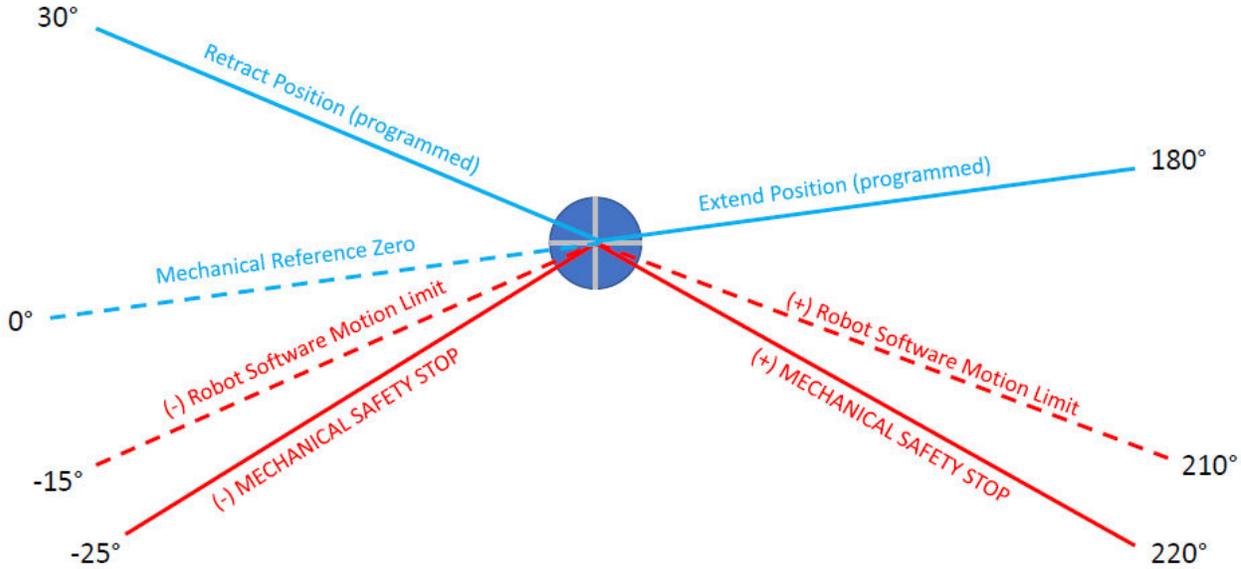
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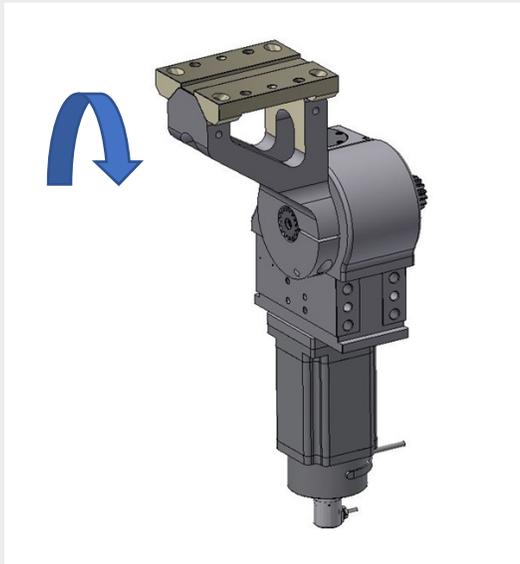
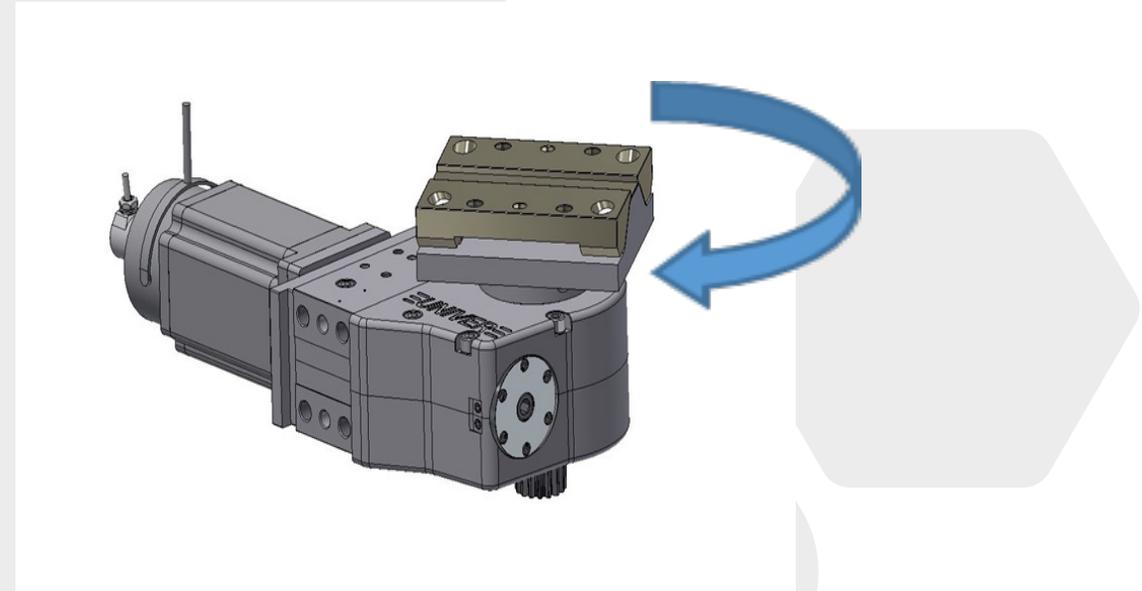
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Kawasaki/Univer
Servo Pivot
Example Motion Profile



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- Gear box ratio $R_r = 81-1$
 - Degrees of pivot rotation per 1 motor rotation 4.44°
 - 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 .

