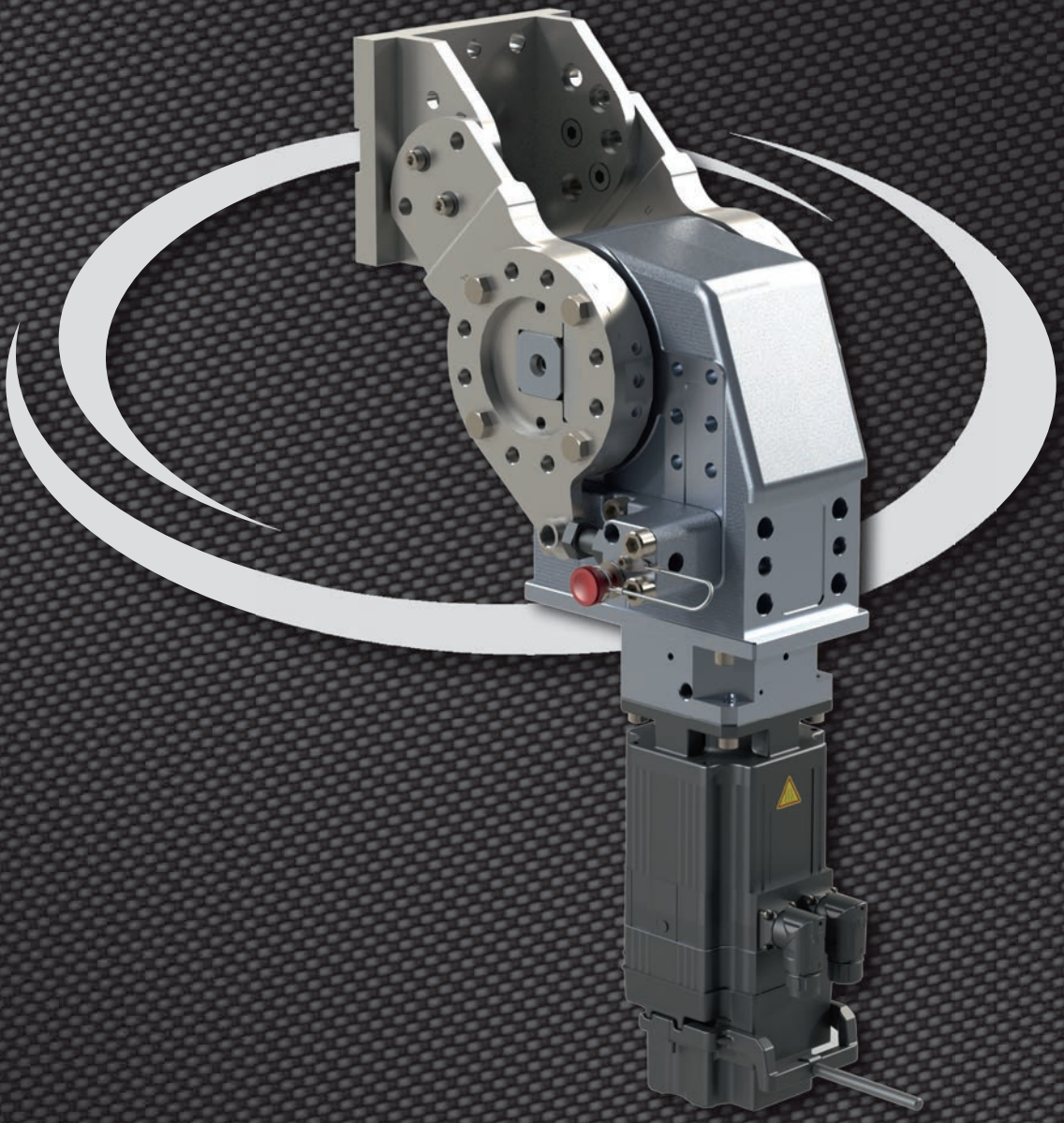
ROTATE. PIVOT. POSITION.



Electric Pivot Unit – **98W Series**

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STAY Informed | STAY Connected | STAY Productive

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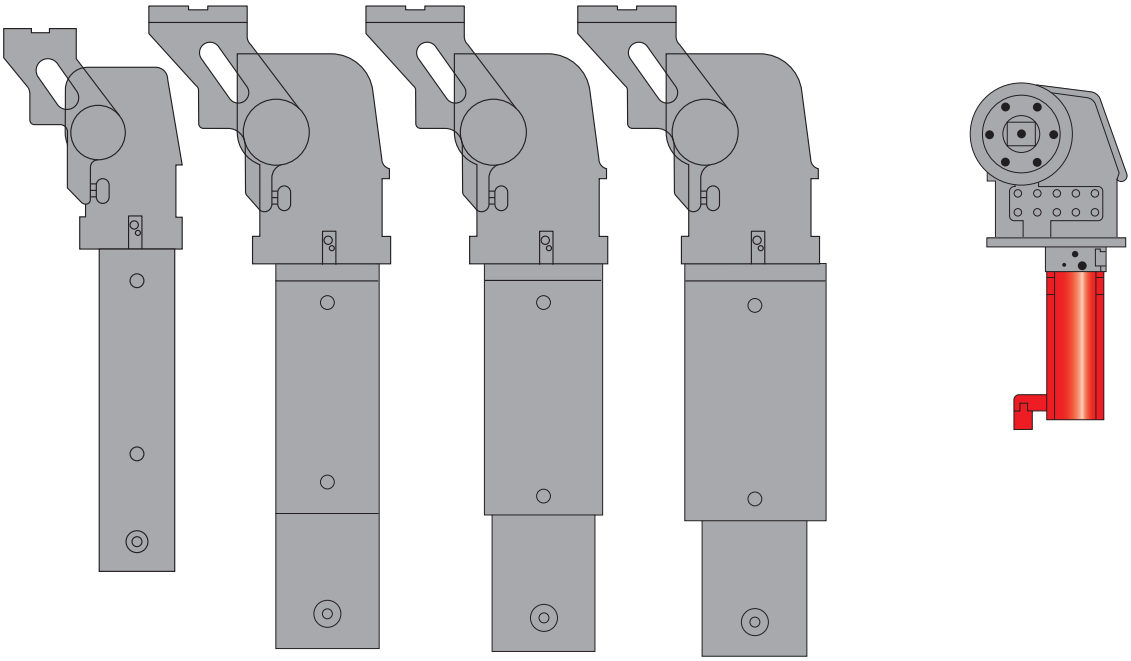
Electric Pivot Unit

Features:

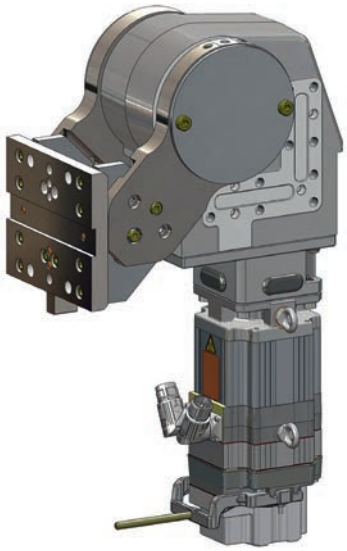
- One size
- Programmable adjustment of swivel angle/positioning
- Two operating modes: Programmed setting and continuous operation
- Constant torque
- Early cycle release possible
- Variable swivel angle over 360°
- Multiple swivel-angle positions, easily adjustable
- Versatile mounting positions
- Energy saving
- Reduced weight
- Controlled acceleration and deceleration
- Self-locking
- Variable arm
- Compatible with multiple motors
- Interchangeable with common pneumatic pivot units with 125/160/200 mm cylinder sizes

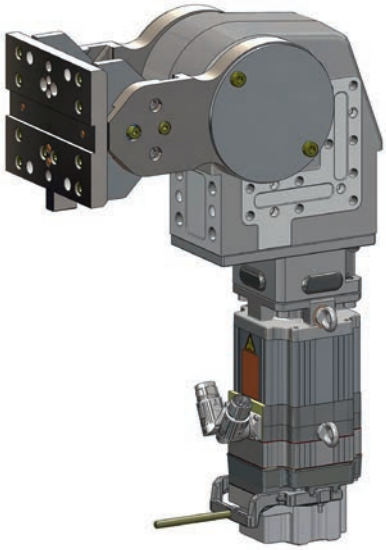
Comparison of sizes

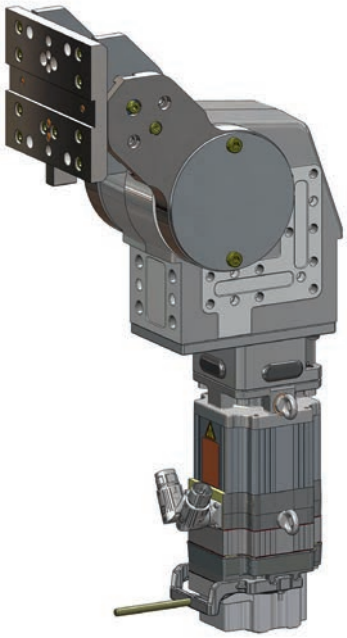


Variable arm

High application flexibility: The variable arm of the Electric Picot Unit can be adjusted in three different positions, whereby the Pneumatic Pivot Unit utilizes different arm types for multiple positions.





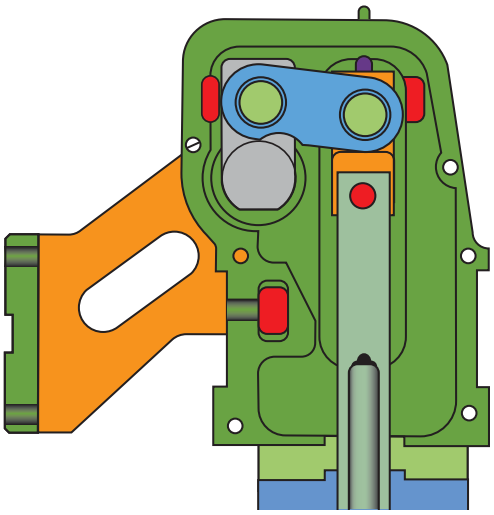


Electric Pivot Unit

Technical information

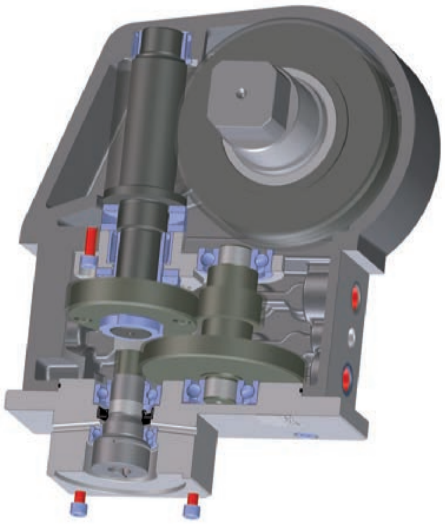
The Pneumatic Pivot Unit operates with a toggle-action mechanism period.

GR _ _ _

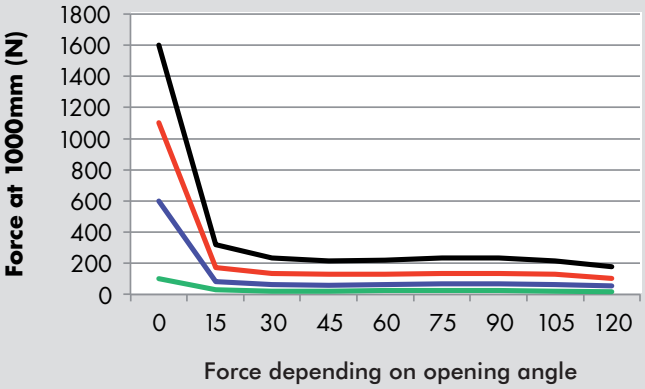


The Electric Pivot Unit implements a worm gear to rotate.

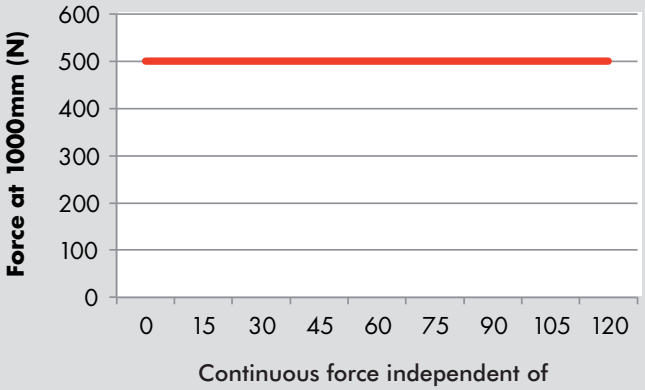
98W _ _ _



This results in different force diagrams



Force depending on opening angle



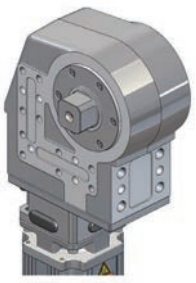
Continuous force independent of opening angle

Electric Pivot Unit

Technical information:	
Input supply voltage for external controller	400 VAC
Control signal of external programmable controller	
Feedback signal to external programmable controller	
Operating modes	
• Rotation from 135° to 0°	4 sec/135°
• Holding	3 sec
• Rotation from 0° to 135°	4 sec/135°
• Holding	3 sec
Torque	500 Nm
Static holding torque	2000 Nm
Motor torque to be limited	Max. 6Nm
Duty cycle	70%
E-Stop	0.4 sec @ 500 N
	= ca. 10°
Acceleration	2 sec
Slow down	2 sec
Weight	46 kg
Repeatability with hard stop	± 0.01mm @ 500mm
Repeatability without hard stop	± 0.05mm @ 500mm

Order Number

Example: 98W03-2 | 10 | A | 0 | -00-0



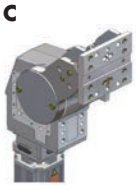
98W03-2 = 500Nm

10 = SEW-Motor 400V-Brake

A

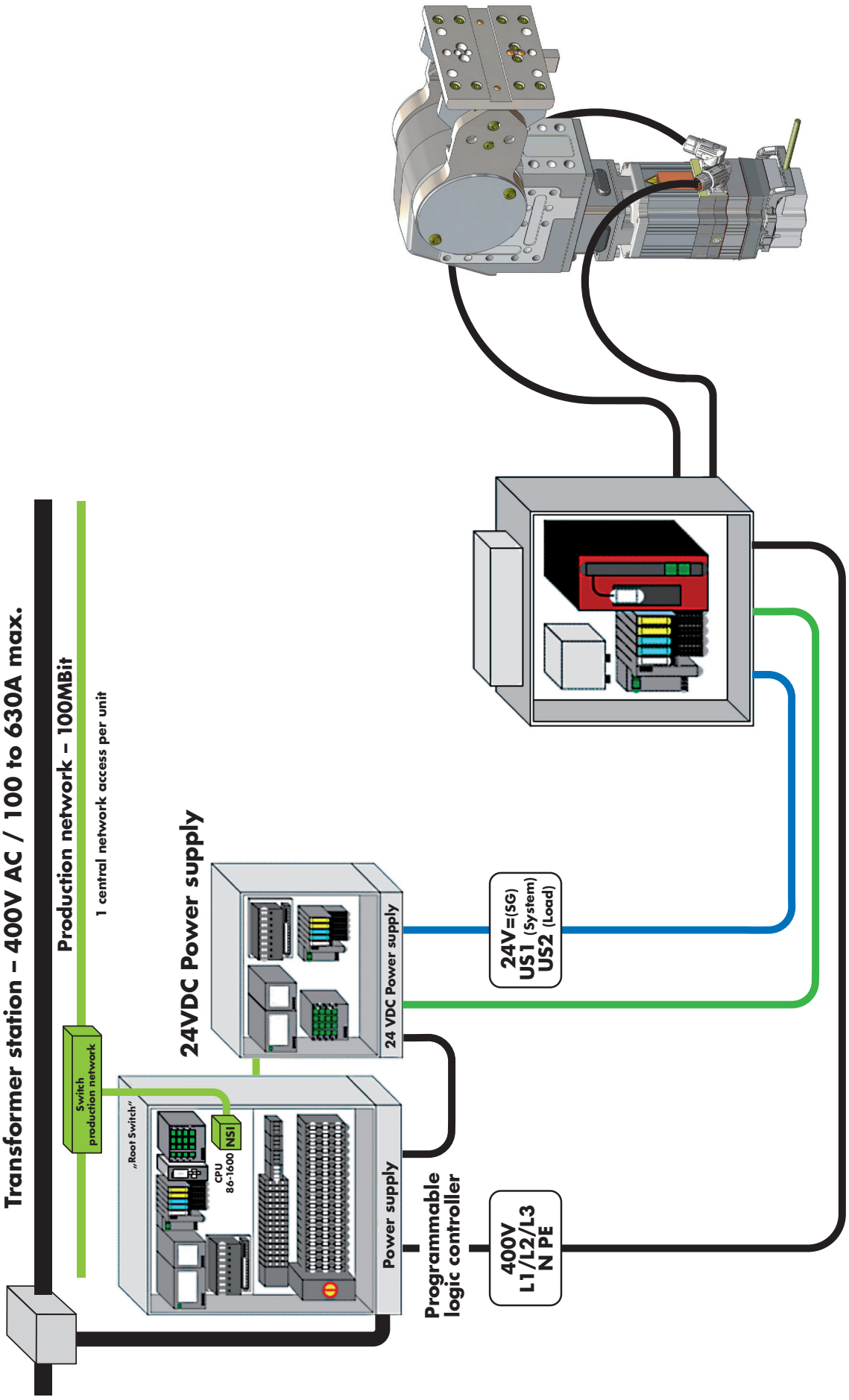
B

C



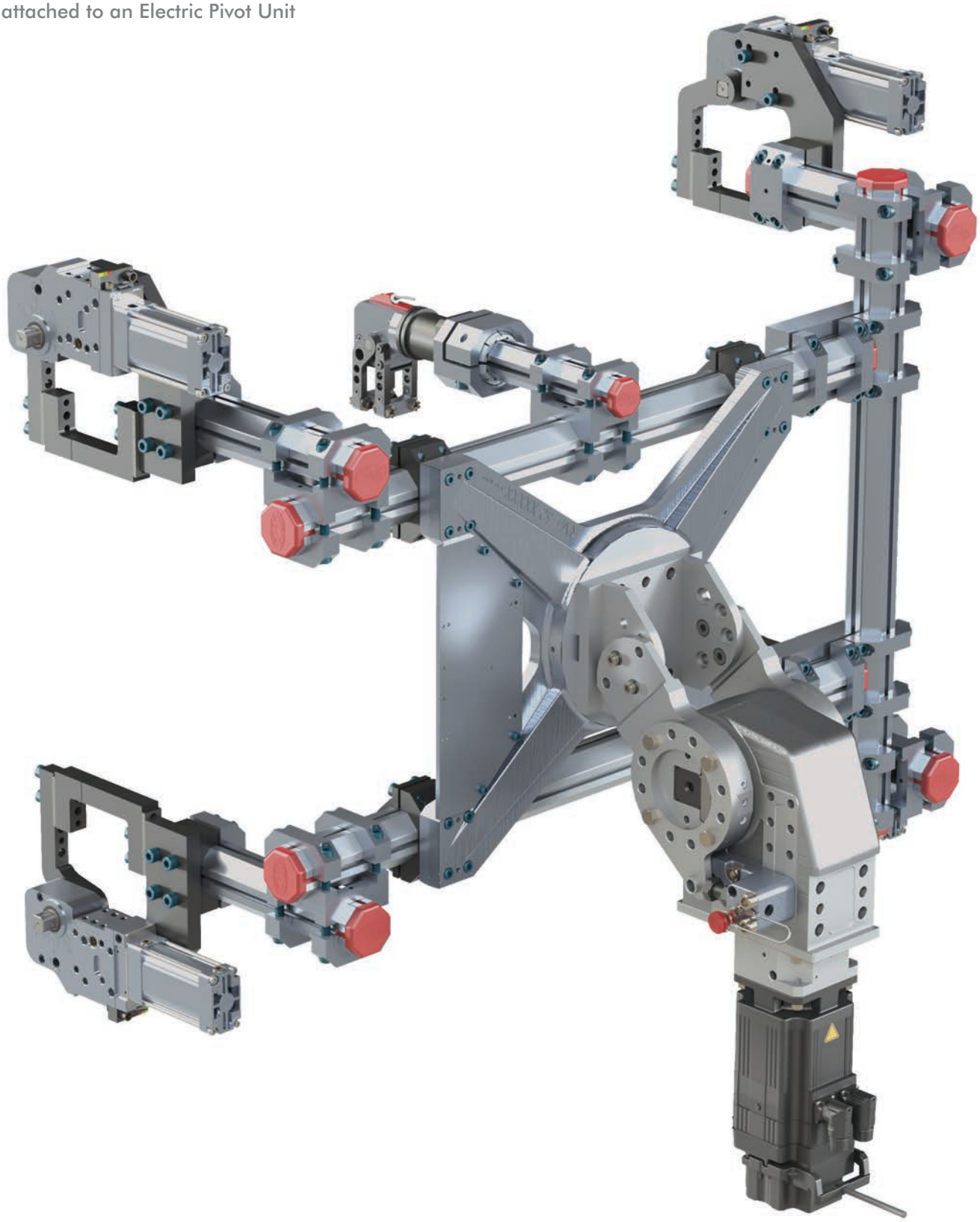
0 = without hard stop

00-0 = Internal, consecutive number


Transformer station – 400V AC / 100 to 630A max.
Production network – 100MBit
1 central network access per unit
Switch production network
„Root Switch"
CPU 86-1600
NSI
Power supply
Programmable logic controller
400V L1/L2/L3 N PE
24VDC Power supply
24 VDC Power supply
24V= (SG) US1 (System) US2 (Load)

Application example

Holding fixture with BodyBuilder profiles and power clamps 82M attached to an Electric Pivot Unit



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GLOBAL LOCATIONS

EUROPE

Germany
Tel: +49-6171-705-0
Customer Service: europe@destaco.com

France
Tel: +33-1-3996-5000
Customer Service: france@destaco.com

UK
Tel: +44-1902-797980
Customer Service: uk@destaco.com

Spain
Tel: +34-936361680
Customer Service: spain@destaco.com

Netherlands
Tel: +31-297285332
Customer Service: benelux@destaco.com

ASIA

Thailand
Tel: +66-2-326-0812
Customer Service: info@destaco.com

China
Tel: +86-21-60812888
Customer Service: china@destaco.com

India
Tel: +91-80-41123421-426
Customer Service: india@destaco.com

NORTH AMERICA

DE-STA-CO Headquarters
Auburn Hills, Michigan
Tel: 1.248.836.6700
Toll Free: 1.888.DESTACO
Marketing: marketing@destaco.com
Customer Service: customerservice@destaco.com

Charlevoix, Michigan
Tel: 1.888.DESTACO
Customer Service: customerservice@destaco.com

Wheeling, Illinois
Tel: 1.800.645.5207
Customer Service: camco@destaco.com

Red Wing, MN (Central Research Laboratories)
Tel: 651.385.2142
Customer Service: sales@centres.com

SOUTH AMERICA

Brazil
Tel: 0800-124070
Customer Service: samerica@destaco.com

A DOVER COMPANY

DE-STA-CO Europe GmbH
Hiroshimastraße 2
D-61440 Oberursel
GERMANY
Telefon +49 (0) 6171-705-0
Telefax +49 (0) 6171-705-120
europe@destaco.com
www.destaco.com

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