

UP and
DOWN FOLDER

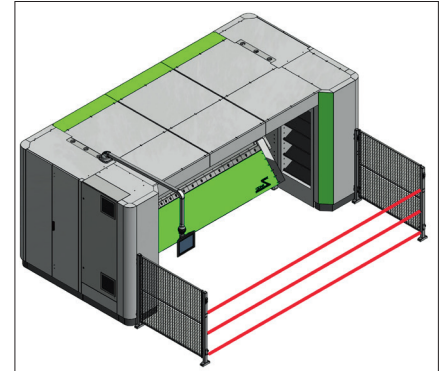
PRO Z



CIDAN
MACHINERY

S H E E T M E T A L M A C H I N E R Y F O R L I F E

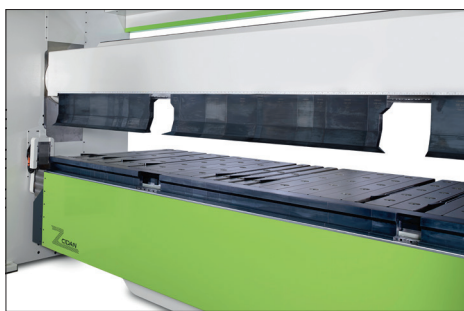
PRO Z



PRO Z equipped with standard safety package. Light guard at gauging side and 1520 mm fence with light beam on folding side.

CIDAN's PRO Z is our new robust and highly rated up- and down folding machine, mainly targeted for industrial applications. The PRO Z model folds both upward and downwards to eliminate the need for an operator to flip the material. This provides excellent opportunities for time-efficient folding of complex details with one operator. Divided tools in both folding- and upper beam provides maximum flexibility with the standard automatic tool locking. The machine's powerful motors contributes to a strong machine that works at high speed and precision.

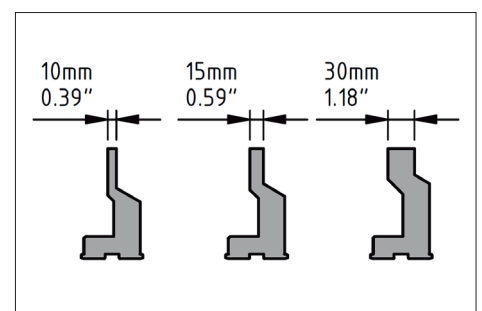
- Comes as standard with Combi upper beam, CNC controlled sheet thickness and folding center adjustment.
- 150 mm movement of folding beam, to move outside of material on folding side.
- Tooling in two different shapes and three different heights; one shape suitable for folding side operation
- Folds upwards and downwards, no need to flip the material.
- The folding beam can be used as front gauge up to 150 mm.
- The PRO Z can be equipped with our Optimal Eccentric Drive OED^{PAT PENDING} for maximum clamping power regardless of tool height and sheet thickness. You get full capacity even with 276 mm (10.86") deep tool.



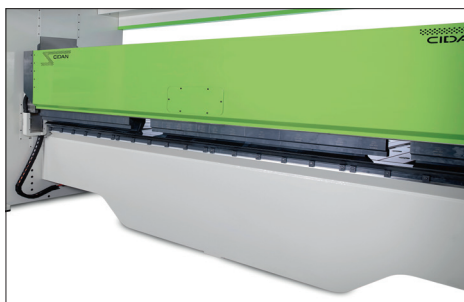
Folding beam in lower position before clamping



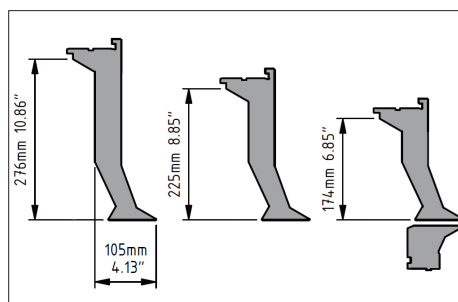
ProLink W control system on a pendant arm, for operation from gauging side or folding side



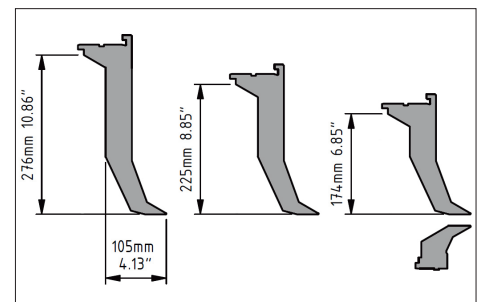
Segmented folding beam tooling (reversible as standard)



Folding beam in upper position before clamping



HD tool with heel for gauging side hemming with matching lower beam tool



HD tool for folding side operation with matching lower beam tool for shorter minimum gauging

STANDARD FEATURES

PRO Z is equipped with CNC control ProLink W. The touch screen is mounted on a pendant arm, making it easy to work from either the gauging side or folding side.

- Combi beam with automatic locking is standard and enables quick tool change.
- CNC controlled sheet thickness and folding center adjustment.
- Automatic lock of high divided and folding beam tool.
- Normal fixed shaft eccentric drive optimized for 152 mm (5.9") high divided tooling.
- Light beam with 1520 mm (59.8") fence on folding side and light guard on gauging side.
- Enclosure on one side with integrated tool storage, provides quick and easy change of tools. Roof with LED lights on both sides of the upper beam for convenient working environment.
- PRO Z is equipped with energy recycling motors, meaning that energy from braking the motion is captured and re-used in order to minimize the energy consumption.



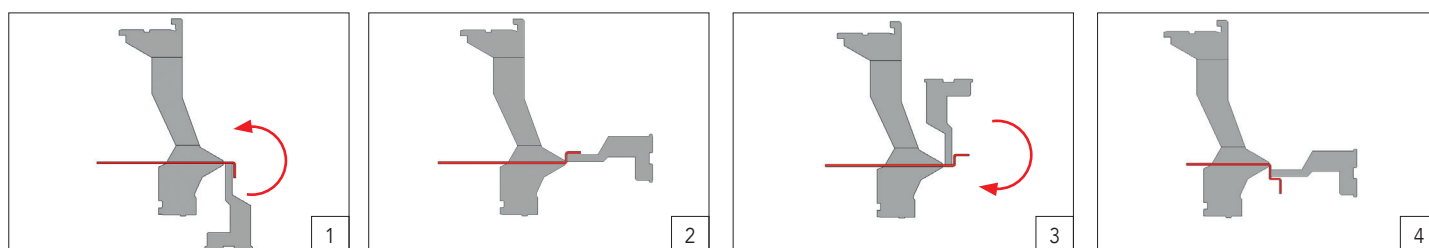
PROLINK W

This latest version of ProLink takes programming to the next level. It maintains the user friendliness while adding a variety of new functions. This includes the *Automatic Folding Sequence (AFS)*, with collision detection and calculation of a folding sequence. The ProLink W can produce perfect parts efficiently and safely, even for

an unskilled operator.

OPTIONS

- High divided tool for upper beam available in two different shapes and with clearance of 174 mm (6.85"), 225 mm (8.85") and 276 mm (10.86") with matching lower beam tooling.
- OED^{PAT PENDING} - Optimal Eccentric Drive for maximum clamping pressure and capacity regardless of tool height and sheet thickness. Crucial when tool height is >174 mm (6.85").
- Folding side operation package including extra foot pedal on rail, key switch and light guard on folding side. High divided tools for folding side operation recommended.
- Automatic lubrication.
- Hardened tooling.
- Solid fingers on AGS back gauge; with or without cut-outs in lower beam tooling.
- Off-line software for ProLink W
- Auxiliary outputs (6 outputs for ProLink W).
- Robot interface.
- Extra foot pedal with key switch.
- Moveable foot pedal on rail.



Sequence of folding a part without flipping the material

AGS^{PAT PENDING}

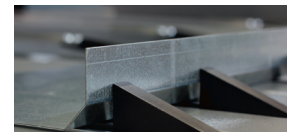
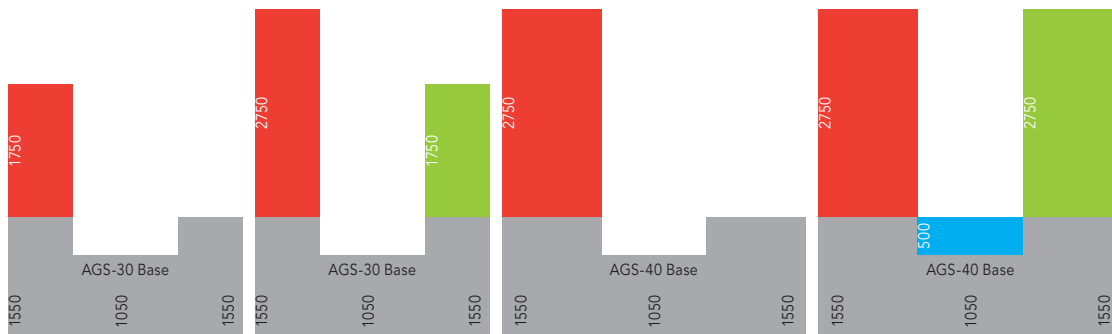
With our customers seeking more customized and flexible back gauges our latest system is our most innovative and flexible so far. The AGS back gauge can be designed exactly to your needs. The base unit spans over the length of the machine and has a depth of 1550/1050/1550 mm (61/41.3/61"). Additional modules can be installed to the right or left up to a total depth of 4300 mm (169") and add in the middle section as well. Choose if the back gauge should be straight or shaped as a J, L or U. If the needs changes, it is possible to expand the back gauge by adding modules afterwards.



AGS back gauge tables are equipped with up to 16 gauging rails, depending of machine length. As option it is possible to add more gauging rails (only for AGS with moveable rails).

EXPANDABLE BACK GAUGE TABLE

For large applications like panels, doors and cabinets, we recommend a J-shaped or U-shaped back gauge. The operator can choose to work either at the folding or gauging side of the machine. Even 3 and 4 m parts can easily be handled by one operator. A standard AGS back gauge table can be expanded to a J-, L- or U-shaped back gauge table afterwards. See below for examples of different configurations.



25 mm (0.98") high pop-up fingers, individually adjustable



Ball transfers in back gauge table (nylon balls as option)



Spring steel fingers

STANDARD RAILS

Straight rail 30°

Model	Folding length	Folding capacity			Opening height ⁴	Outer dimensions ⁵	Weight	Motor	
		Steel ¹ mm (ga)	Stainless steel ² mm (ga)	Aluminium ³ mm (")				Clamping beam kW (hp)	Folding beam kW (hp)
PRO Z 30	3200 (126)	4.0 (9)	2.50 (12)	6.00 (0.236)	254 (10)	4700 x 3590 x 2250 (185x141x89)	11850 (26.124)	2 x 3.8 (2 x 5.1)	2 x 9.5 (2 x 12.9)
PRO Z 40	4100 (161)	3.0 (11)	1.90 (14)	4.50 (0.177)	254 (10)	5700 x 3590 x 2250 (224x141x89)	13980 (30.820)	2 x 3.8 (2 x 5.1)	2 x 9.5 (2 x 12.9)

¹at 400 N/mm²–58000 lbf/in² (psi) – ²at 600 N/mm²–87000 lbf/in² (psi) – ³at 200 N/mm²–29000 lbf/in² (psi) – ⁴equipped with OED, for all tool heights – ⁵With motorized back gauge AGS Base unit

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