

# ProVision Alliance and Precision Edge Punch/Bend Devices



CM entry conveyor not included with punch/bend device

## Superior technology to complement the CtP engines

ProVision Alliance and Precision Edge are high-speed, automatic, in-line single-stage benders for singlewide plates with a minimum of 276 mm (10.9") or doublewide plates with a maximum width of 698.5 mm (27.5"). They are capable of producing up to 250 singlewide or doublewide plates per hour with vision registration and 290 pph with edge registration. The benders can be special ordered to accept plates with a maximum width of 965.2 mm (38") and maximum length of 1193.8 mm (47").

Plates are fed lead or trail to the left or right via optional conveyor, then automatically registered by either Cognex System controlled fixed dual cameras or plate edge contact system. ProVision Alliance's Cognex System is accurate to  $\pm 0.0127$  mm ( $\pm 0.0005$ "), while Precision Edge's plate edge contact system is accurate to  $\pm 0.0254$  mm ( $\pm 0.001$ "). The edge contacts can be set to register the same side of the plate as the CtP engine. Plates are punched and then bent using Glunz & Jensen's unique rotary bend leaf design. Air cylinders perform rotary leaves and bend head movement.

The ProVision Alliance also includes an electrical edge contact registration system. Both punch benders incorporate the AutoLube Punch System, which automatically lubes the punches to reduce galling and extend the life of the punches. The benders utilize Glunz & Jensen's unique rotary bend leaf movement to perform precise lead and trail plate bends. Bend mandrels are hardened and ground and plate platen contains vacuum system.

ProVision PC control can be operated from a remote terminal via built-in modem, VPN connection or LAN network. Also included is a network card to transfer the bender's informational data to another system.



**Compatible with all platesetters**  
The Glunz & Jensen benders are compatible with all plate types and all CtP platesetters and CtF engines.



**Easy maintenance**  
Clear hoods on pivot points allow for full viewing of the operation cycle as well as easy access to the machine components for maintenance.



**Unique rotary leaf bend system**  
This unique system gives you the advantages of stress-free "rolling" bend motion and ensures no scratching or cracking of plates.



**Repeatability and accuracy**  
With Glunz & Jensen's benders you are able to produce plates with consistent registration from image to image on each plate.

## Technical specifications

# ProVision Alliance / Precision Edge

Material size	Minimum to maximum width: 276.2 - 698.5 mm (10.875 - 27.5") (Optional max. size (LxW): 1193.8 mm (47") x 965.2 mm (38"))
Material thickness	0.20 - 0.30 mm (0.008 - 0.012")
Electrical requirements	190-240VAC, 50/60 Hz
Pneumatic requirements	Air, 90 PSI (10 CFM) / 6.205mBar (283.17 LPM)
Size (LxWxH)	PA 27: 1371.6 x 1524 x 1524 mm (47 x 60 x 60") PA 38: 1625.6 x 1524 x 1524 mm (58 x 60 x 60") PA-Q: 1625.6 x 1981.2 x 1524 mm (47 x 78 x 60") PE 27: 1193.8 x 1524 x 1270 mm (47 x 60 x 50") PE 38: 1473.2 x 1524 x 1270 mm (58 x 60 x 50") PE-Q: 1473.2 x 1981.2 x 1270 mm (58 x 78 x 50")
Weight	PA: 571.54 kg (1260 lbs) PA-Q: 670 kg (1477 lbs) PE: 544.32 kg (1200 lbs) PE-Q: 640 kg (1411 lbs)
Actuator movement	Linear actuator movement* / Air actuator movement**
Registration accuracy	Vision* and Edge Registration
Control	ProVision PC control in Microsoft Windows with direct PLC backup.*
Web width	1397 - 1118 mm (55 - 44")

### Other bender options

**38-inch max width bend head for single-stage bender:** This option expands the bender and bend head to accept plates up to 965.2 mm (38") wide. The width of the bender will increase by 276.2 mm (10.875").

**ProVision Alliance-Q and Precision Edge-Q punch benders:** These models are built for plate sizes up to a maximum width of 965.2mm (38") and a maximum length of 1193.8mm (47"). Ideal for commercial and Asian offset web presses.

**Universal option - Multiple plate profiles:** An option for the ProVision Alliance only, which allows for automatic recognition of different plates to produce different bend profiles for different presses.

**Dual web option:** Allows punching and bending for multiple web widths. Includes up to eight punches, an extra two sets of pushers and stops and sensors to identify the plates for which web.

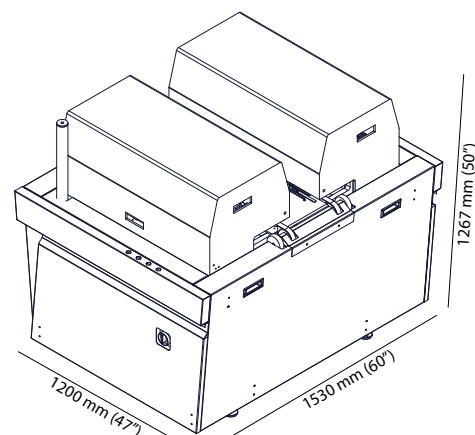
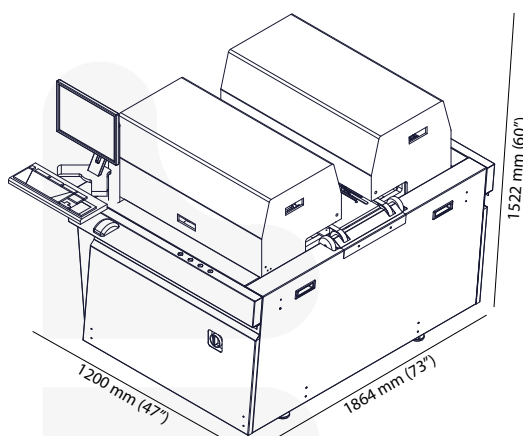
**Control of the punch bender:** ProVision software allows the bender to be controlled from a dedicated http secured domain that allows for access, reporting and control from any computer in the world, without purchasing or installing any proprietary software. Not all control features available on the Precision Edge.

The ProVision has an SMTP Alert Server to communicate alarms via a host of electronic devices such as email, text messaging and instant messaging. ProVision allows for managers to look quickly at production information, operators to view maintenance routines as well as simple bender configurations. All history data bases can be accessed in Microsoft programs.

\* Only available with the ProVision Alliance

\*\* Some features not available on air cylinder operated benders.

Standard configurations may vary in the market. Specifications are subject to changes without prior notice.



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PUNCH/BENDER SYSTEMS

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