

Plate Transport Systems



Keeping plates moving keeps the presses running

Designed for today's CtP network, Glunz & Jensen's Plate Transport Equipment communicates to either ProVision PC control for benders and conveyors, or CtP front-end systems. With all equipment linked, Glunz & Jensen's Plate Transport Equipment not only controls plate flow, but also gives the production operator the information to efficiently control plate production.

Glunz & Jensen is committed to raising production efficiency and reducing production time. Dedicated equipment such as Blank Plate Feeders and CtP Auto Plate Feeders reduce operator intervention during production, reduce production waste, and reduce production time.

Why trust your CtP plates to anyone less than the company that developed in-line plate production systems and is the leader of today's technology in CtP Plate Finishing Systems?



Optimizing production flow

No matter how many lines of CtP or the space you have, Glunz & Jensen can customize conveyors and stackers to optimize your plate production flow.



Endless belt system

Glunz & Jensen's "Endless belt system" is the only plate transport system of its kind in the industry. The system ensures transportation of plates without any damage or scratching of plates.



Reliable components

Glunz & Jensen's Plate Transport Equipment is designed and built with components that care for the plate every inch of the way.



Highest quality performance

The Plate Finishing Systems deliver punched and bent plates in register, with assurance that the plate will perform its function on the press to the highest quality.

Collating Stackers



Glunz & Jensen's Collating Stackers will safely, quickly and quietly sort and stack finished CtP plates without any damage. All Glunz & Jensen stackers are modular. They can be configured either at the factory or in the plate room, for right or left side stacking. If the plate lines are re-configured, the stackers can be easily and quickly converted for the new room. Glunz & Jensen's Collating Stackers are upgradeable to add units with single-sided or double-sided bins.

Durable, scratch-free, direct-drive rubber belts transport the plate to the designated bin. Then a placement arm gently places the plate in the bin. Two arms are used for doublewide plates for even delivery to the bin. Stacking bins are smooth and will not scratch or damage CtP plates. Support frames are made of tubular steel for durability, stability and support a high number of plates.

Depending on the plate's bend profile, a stacker can hold up to 200 plates (Number of plates stacked can vary based on bend profile). Bender configurations or Glunz & Jensen's Universal Transition Module (UTM) will allow the customer to stack plates on either the lead or trail end of the plate.

Glunz & Jensen's Collating Stackers are powered and controlled by the bender. Sorting and stacking can be custom configured for your press cylinder configurations.

Smart Conveyors



Glunz & Jensen's Smart Conveyors move plates quickly, quietly and in any size, either in pre-bent or post-bent configuration without damage, scratches or dings.

Conveyors are ideal for use between CtP and processors, and benders or anywhere automatic plate transportation is needed. All Glunz & Jensen Conveyors are custom configured for proper length and fit within your specific plate line scenario.

Glunz & Jensen's Cross Conveyors, also known as CD's and CD-H's, can be custom configured to any length. Hinged sections can be added to CD's for access on both sides of the plate lines. Glunz & Jensen's Conveyors can work independently, ideal for upgrading plate lines with worn or inferior conveyors. The bender or the CtP front-end system can control CD's and CD-H's.

Glunz & Jensen uses reliable seamless belts for transporting plates without damage. Glunz & Jensen's conveyor belts do not use staples that scratch plates and wear out over time. Belts move quietly by a direct-drive shaft system that keeps moving plates year after year.

Plate Stop Stations can be configured into each CD. This allows for proper plate flow control essential with multiple lines feeding into one bender or multiple integrated plate systems. This is ideal for shifting plates from a downed line into a line where all finishing equipment is up and running.

CD's and CD-H's can be configured as inkjet printer stations. The conveyor holds plates while an inkjet printer prints any pertinent customer information on the back of the plate.



Vertical Conveyor Systems

Glunz & Jensen offers a versatile line of vertical plate delivery systems for plate rooms that are located on a different floor than the press. Transportation is reliable and plate safe. They are designed to communicate with CtP front-end systems advising operators of the location and status of each plate. Glunz & Jensen's vertical system is custom configured to minimize space, and to efficiently transport plates anywhere in a new Greenfield site or a restructured existing site.

Universal Transition Module (UTM)



The Universal Transition Module (UTM) can take plates from three different directions, change the plate's direction or with the rotation device, change the orientation of the plate from portrait or landscape and feed it into another direction quickly, quietly and without damaging any size pre-bent or post-bent plate. This allows for creative designs to any plate finishing line. Whether it is to maximize the space for the plate finishing equipment, or to provide convenience to the plate delivery system to another room or area, the UTM can handle any plate size, orientation and direction.

Standard units include hinged sections which are ideal for stop stations, access to either side of the plate, or access to an upstream processor for maintenance. Rotation devices can be added to the UTM and will rotate a plate 90 to 180 degrees. The UTM can keep up with any CtP or high-speed plate bender.

Glunz & Jensen's seamless belt system smoothly moves plates to the center section of the UTM for redirection. Durable, scratch-free, direct-drive rubber rollers transport the plate right or left. Auto-Bypass allows for suspect plates to be automatically ejected to an overflow bin which is smooth and will not scratch or damage CtP plates.

UTM's are typically installed in front of a Glunz & Jensen bender. However, UTM's are also used after the plate is bent to manage work flow to stackers that are not in-line with the bender, or to stackers located in another room. UTM's can rotate plates for vertical plate conveyor systems. They also work as a Bar Code Reader Station or in conjunction with Blank Plate Feeders. One of the three open sides of the UTM allows for a Blank Plate Feeder to be placed to feed plates to the bender. Glunz & Jensen's UTM can work independently with other plate finishing systems or as part of Glunz & Jensen's CtP Plate Finishing System.

Technical specifications

Material thickness	0.20 - 0.30 mm (0.008 - 0.012")
Electrical requirements	110 - 240VAC, 50/60 Hz, 1 amp, single phase
Pneumatic requirements	Air, 90 PSI (10 CFM) / 6.205mBar (283.17 LPM)

All Stackers, Conveyors and UTM's can be outfitted with options such as ProVision PC control, which communicates and monitors the entire plate line. If there is a work stoppage at the UTM or at any CtP plate finishing unit, the ProVision Command PC Control will warn the operator through the bender's display or through the front-end system. A Bar Code reader System can be installed for reading bar codes on plates to manage plate flow, plate status or stacking directions.

All equipment has these common specifications. Individual specifications listed below.

6000 BPF-400 Blank Plate Feeder

Material size: Minimum to maximum width 279-457 mm (11-18") SW • Size (LxWxH): 1550 mm x 686 mm x 1372 mm (61"x27"x54") • Weight: 159 kg (350 lbs)

6002 BPF-400-D Blank Plate Feeder (with deflexer)

Material size: Minimum to maximum width 279-457 mm (11-18") SW • Size (LxWxH): 1550 mm x 686 mm x 1372 mm (61"x27"x54") • Weight: 182 kg (400 lbs)

6005 CD - Conveyor for Plates

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 1118 mm x 1118 mm x 914 mm (44"x44"x36") base length (Custom sizes available) • Weight: Based on customer's length specifications

6006 CD-40 Conveyor for plates 40" and wider (1016 mm)

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 1372 mm x 1321 mm x 914 mm (54"x52"x36") base length (Custom sizes available) • Weight: Based on customer's length specifications

6010 CD-H Conveyor for plates with Hinged Section

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 2032 mm x 1118 mm x 1270 mm (80"x44"x50") (Custom sizes available) • Weight: Based on customer's length specifications

6011 CD-H-40 Conveyor with Hinged Section for plates 40" & wider (1016 mm)

Material size: Minimum to maximum width 279-1016 mm (11-40") • Size (LxWxH): 2464 mm x 1321 mm x 914 mm (97"x52"x36") base length (Custom sizes available) • Weight: Based on customer's length specifications

6012 CSS-1 CTP Plate Slitter Station

Material size: Minimum to maximum width 610-864 mm (24-34") • Size (LxWxH): 1003 mm x 940 mm x 813-914 mm (39.5"x37"x32-36") • Weight: 109 kg (250 lbs)

6015 IPS Inkjet Printing Station

Material size: Minimum to maximum width 279-914 mm (11-36") • Size: Sizes are customer specific • Weight: 27 kg (60 lbs)

6020 Plate Stacker - 2 Plate Positions

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 1524 mm x 1499 mm x 864 mm (60"x59"x34") • Weight: 27 kg (60 lbs)

6025 Plate Stacker - 4 Plate Positions

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 3048 mm x 1499 mm x 864 mm (102"x59"x34") • Weight: 34 kg (75 lbs)
Post Bender Bar Code System for smart plate distribution of plates into stacker position is available. The system software is customized to meet the customer's needs.

6028 Plate Stacker - 6 Plate Positions

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 6096 mm x 1499 mm x 864 mm (240"x59"x34") • Weight: 64 kg (140 lbs)
Post Bender Bar Code System for smart plate distribution of plates into stacker position is available. The system software is customized to meet the customer's needs.

6030 Plate Stacker - 8 Plate Positions

Material size: Minimum to maximum width 279-914 mm (11-36") • Size (LxWxH): 6096 mm x 1499 mm x 864 mm (240"x59"x34") • Weight: 68 kg (140 lbs)
Post Bender Bar Code System for smart plate distribution of plates into stacker position is available. The system software is customized to meet the customer's needs.

6055 UTM Universal Transition Module

Material size: Minimum to maximum width 279-864 mm (11-34") rotating • Size (LxWxH): 1041 mm x 1067 mm x 914 mm (41"x42"x36") • Weight: 68 kg (150 lbs)

6056 UTM-H Universal Transition Module with Hinged Section

Material size: Minimum to maximum width 279-914 mm (11-36") rotating • Size (LxWxH): 2032 mm x 1067 mm x 914 mm (80"x42"x36") • Weight: 84 kg (185 lbs)

6060 UTM-R Universal Transition Module (rotates a 36" wide plate)

Material size: Minimum to maximum width 279-1016 mm (11-40") rotating • Size (LxWxH): 1041 mm x 1067 mm x 1270 mm (41"x42"x50") • Weight: 75 kg (165 lbs)

6062 UTM-R-H Universal Transition Module with Hinged Section (rotates a 36" wide plate)

Material size: Minimum to maximum width 279-864 mm (11-34") rotating • Size (LxWxH): 2032 mm x 1067 mm x 1270 mm (80"x42"x50") • Weight: 88 kg (195 lbs)

6065 UTM-40 Universal Transition Module (moves a 40" plate or wider)

Material size: Minimum to maximum width 279-1016 mm (11-40") • Size (LxWxH): 1372 mm x 1321 mm x 914 mm (54"x52"x36") • Weight: 82 kg (180 lbs)

6067 UTM-H-40 Universal Transition Module with Hinged Section (moves a 40" plate or wider)

Material size: Minimum to maximum width 279-1016 mm (11-40") • Size (LxWxH): 2464 mm x 1321 mm x 914 mm (97"x52"x36") base length (Custom sizes available) • Weight: 100 kg (220 lbs)

6070 UTM-R-40 Universal Transition Module (rotates a 40" plate or wider)

Material size: Minimum to maximum width 279-1016 mm (11-40") • Size (LxWxH): 1372 mm x 1321 mm x 1270 mm (54"x52"x50") • Weight: 109 kg (240 lbs)

6072 UTM-R-H-40 Universal Transition Module with Hinged Section (rotates a 40" plate or wider)

Material size: Minimum to maximum width 279-1016 mm (11-40") • Size (LxWxH): 2464 mm x 1321 mm x 1270 mm (97"x52"x50") base length • Weight: 118 kg (260 lbs)

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

Bar Code Reader System



Plate sortation, stacking, collation and plate tracking

Newspapers today have more pages, sections and process color. They often print other products, and many rolls of multiple press lines. So with pagination and plating, getting the right plate to the right place shouldn't require someone sorting and stacking plates and scribbling page identification and press destination on the back of each - information that can instead be stored in a bar code.

Simple Bar Code Reader System

This simple system can be added to any current or future Glunz & Jensen Punch Bender. It can be programmed straight off the bender's standard Programmed Logic Controller (PLC) System through the ProVision Command PC control system.

Glunz & Jensen's Bar Code Reader Systems allow for tracking, sorting and collating plates through the finishing line to the stacker. The Bar Code Reader System reports the status of the plate before it enters the bender, while in the bender, or after it leaves the bender by sending ASCII Text to any reporting or Plate Tracking System.

The bar code reader can be incorporated into Glunz & Jensen conveyor units, Universal Transition Modules (UTM) or the bender itself. The reader station can be located before the bender, inside the bender or after the bender and before the stacker.

The Bar Code Reader System can enhance your current punch bender with other features that will automate the plate production process. This system is available as a standard feature in the ProVision Alliance V-series Punch Bender (other features of the ProVision PC control system may not be available in other benders).

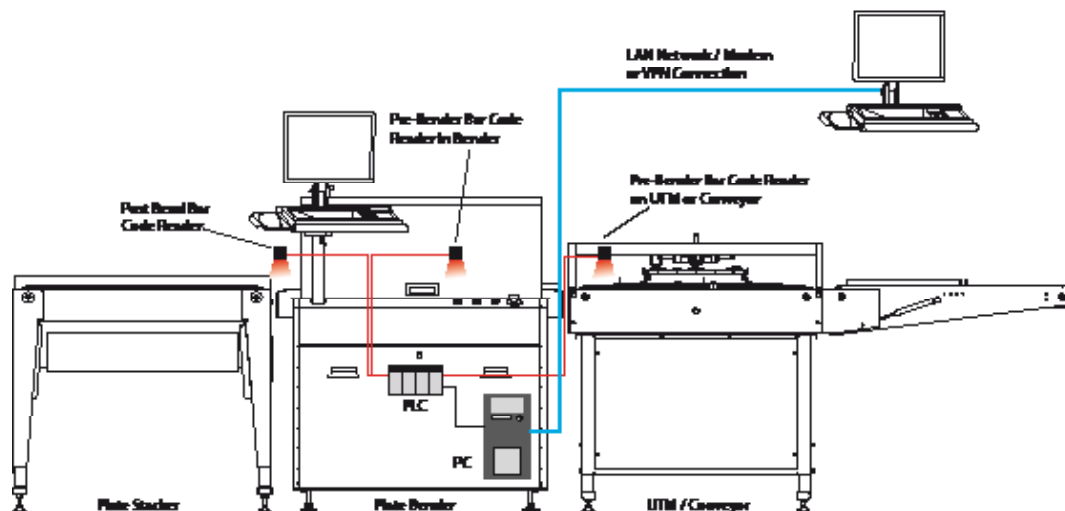
A Bar Code Data Collection System is standard with the ProVision Alliance series Punch Benders. The bar code device connects into the ProVision Alliance and user selectable bar code data to the logging and control function of ProVision Alliance. The operator can select which bar code character to begin capturing, and the number of subsequent characters to capture. Other benders can be upgraded to collect and report data to other workflow systems.

The bar code data is automatically logged to the Microsoft Access™ database file. The ProVision Alliance System can use the bar code to adjust image to bend characteristics, possibly as a means of color registration adjustment.

Alternatively, ProVision Alliance can use the bar code information to control which stacking bin the plate is delivered into. Stacking control requires the proper type of stacker machinery.

Glunz & Jensen's software engineers can program the Bar Code System to:

- Read any 32 characters - custom configured
- Report any customer configured information to any plate tracking system
- Read plates before or after bend functions are performed
- Report plate status
- Select and sort plates to proper stacking bin location



Glunz & Jensen's Bar Code System will collect and report data from the bar code. It can report plates finished and rejected plate status to a front-end system. All features are standard in the ProVision Alliance Punch Bender, which can communicate the information through modem or LAN network or web connection. Other Glunz & Jensen benders can be upgraded to include these features.



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