

2005 IMG-KLETT AUTOMATIC PLATEN DIE CUTTER

MODEL COBRA A 120-162

SPECIFICATIONS:

Maximum sheet size	47 3/4" x 63 3/4" (1200mm x 1620mm)
Minimum sheet size	17 3/4" x 25 1/2" (450mm x 650mm)
Maximum die cut size	46 1/2" x 63" (1180mm x 1600mm)
Inner frame width	47 5/8" x 64 1/8" (1210mm x 1630mm)
Die cut linear height	0/937" (23.8mm)
Minimum gripper margin	5/16" (8mm)
Minimum lead edge trim waste	1/2" (12mm)
Maximum die cut pressure	400 Tons
Maximum mechanical speed per hour	4,500 sheets
Stock range	0.039" to 0.315" (1-8mm) E-B-A-AB
Total power requirements	31kw
Main motor capacity	22kw
Power transformer	Included
Net weight (without platform)	33 tons (72,600 lbs.)
Total length (including platform)	33 ft. 9 in. (approx. 10.300mm)
Total width (including platform)	19 ft. 6 in. (approx. 6000mm)
Total height	8 ft. (approx. 2480mm)
Maximum height of packets	11 7/8" (300mm)

FEED SECTION

- Suction cups take the lower sheet, separate it from the upper stack with a short backwards movement into the back feed guides. The single sheet drops freely onto the table and is fed into the die cutter without any weight/friction from the other sheets. This feed system also feeds extremely warped board. Damage on high graphic board is avoided because there is no friction.
- Feeding of the board from underneath with six (6) suction cups
- Suction cups have central adjustment of tilt angle
- The suction cups can be replaced individually
- Manually adjustable back feed guides
- Rietschle vacuum pump
- Manually adjustable rear stack jogger with linear guides
- Adjustable side joggers with motorized scale
- Board infeed control
- Pressure guide of board into the gripper system
- Possibility of adjusting squaring by exact positioning of the board in the gripper-adjustable to 6mm with two hand wheels on operators side
- ELF (Extended Length Feeder) feed enhancement for laminated board

DIE CUT SECTION:

- Die cut section made of thick walled cast iron
- Dynamic crank and worm gear toggle system with pneumatic clutch/brake at flywheel for drive of mobile platen
- Recycling oil bath lubrication with automatic pressure gauge for crank and worm gear toggle main drive system
- Impression adjustment on operator side by means of large hand wheel with integrated position indicator
- Print tolerance +/- 0.5mm (front register)
- Parallel adjustment of platen in board direction by chain adjustment
- Pneumatic die chase locking system
- Klett center line system for quick change die cutting tools, compatible with the market standard die form systems
- State of the art 3 cam index gripper chain drive system

STRIPPING SECTION:

- Double action duplex stripping system
- Upper and lower stripping frames with stripping tooling
- Strong mechanical connections to fixing frames, high/low movements by means of spiral pulleys and lifting system....maintenance free
- Upper fixing frames automatically driven vertically
- Klett center line system for quick change of stripping tools, compatible with the market standard die form systems
- Mobile waste container
- Gripper edge removal system with Klett center line system for quick change of stripping tools, compatible with market standard die form system

DELIVERY SECTION:

- High pile delivery
- Electronic stack counter
- Sheet counter
- Bundle separation through driving of pneumatic cylinder on front and back bundle delivery
- Motorized format set-up in running direction
- Manually adjustable side joggers on external scale
- Mechanical side squaring movement of side joggers, linked with machine speed, thereby timed with machine
- Lifting table driven on wheels for changing and transport of stack
- Powered roller conveyor behind lifting table for onward transportation of the stack
- Strong mechanical connections to gripper edge removal system, high/low movements by means of system including cam, tie bars and sealed ball bearings...maintenance free

GENERAL TECHNICAL INFORMATION:

- Pre-stretched chains, smooth and durable synthetic chain guides for longer chain life
- 8 piece alloy gripper bars, each containing 12 gripper fingers
- Intermediate registration system
- Top transversal waste conveyor
- Chain drive protection by means of overload torque limiter clutch
- Platform in front of feeder and on operator side throughout length of machine
- Machine operation via color touch screen monitor
- Speed indicator
- Position indicator of gripper including "0" position for order change
- Automatic location and display of technical faults
- Sheet transport monitoring by photocell....machine will stop if jammed
- PLC (SPS) control
- Electric standard components from well known manufacturers
- Power transformer included

OPTIONAL EQUIPMENT:

- One (1) additional die chase
- One (1) 7mm hardened cutting plate
- One (1) 1mm hardened cutting plate
- TEI "Feed Master" automatic prefeeder, Model BPBF50-65-220

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