

Product Profile

Axolute – the new Automatic Folder Gluer from Celmacch, Itali



Axolute is a high standard automatic folder-gluer, very robust in construction, modern, modular and can process corrugated board B-C-E-F-NOBC and solid board 500-1500 gr/sqmr.

The machine is equipped with the following devices:

- Crash-lock bottom
- 4- and 6-corner boxes glued with brushless motors
- Downstacking with squaring section
- Electronic pressure gluer with non-contact glue guns
- Motorized axis
- Computerization on request for FG 1700

For further details visit: www.celmacch.it

FastJet Digital Printing' – changes the way you think about packaging!

Fastjet is a digital printing press designed to print corrugated sheets at a very high speed. It is a revolutionary technology that provides operational flexibility and enables the economical production of short and medium runs. personalized packaging and a print capability suitable for primary packaging and display applications. Turnaround time and production cost are



dramatically enhanced compared to traditional printing processes.

The only single-pass, fixed print head technology for corrugated, FastJet allows full-color sheetfed printing on corrugated substrates at more than 20 times the speed of previous ink jet technology.

FastJet technology delivers all the advantages of digital printing, including printing variable information in a single pass, allowing for mass customization. FastJet also provides for on-demand printing, adding value to the printer/converter and end-user.

Digital printing will be a dynamic force changing the face of the corrugated market. Sun Chemical recognizes the impact of market changes to this industry, and has developed an innovative solution to assist customers in capturing value through WINNING IN A CHANGING WORLD.

The FastJet™ technology is targeted at transport packaging/shipping containers and point-of-purchase display applications to take advantage of opportunities to increase speed to market, address just-in-time concepts, and increase the sales promotion impact for target marketing campaigns.

FastJet™ provides operational flexibility and enables economical production of short runs and personalized package designs. Turnaround time and cost point are dramatically enhanced vs. traditional printing processes:

- Quick turnaround printing
- On demand, economic short runs
- Mass customization, variable data printing

Innovative Technology

FastJet™ is a joint development by Sun Chemical, the world's largest ink producer, and Inca Digital, Cambridge UK, a leading manufacturer of highspeed digital flatbed printers. Unlike standard scanning inkjet systems, where the print head shuttles back and forth, the print heads in a single-pass system are fixed. The sheet passes underneath the stationary print heads and emerges fully printed.

FastJet™ has been designed to print corrugated sheets at high speeds. Its new single pass print technology allows full-color sheetfed printing on corrugated substrates at more than 10 times the speed of previous ink jet technology.

For more information visit: www.fastjet.com

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Litho-laminating with Asitrade

A new generation of machines has been developed in response to market needs for the economical manufacturing of laminated boxes: the single-face corrugator in-line with a laminator.



There are three groups of products developed by Asitrade:

- corrugators to manufacture single-face corrugated board, in rolls or in sheets
- laminators to glue a pre-printed solid board sheet or a web onto single-face corrugated board on a roll
- in-line solutions integrating the manufacture of single-face corrugated board and the lamination of offset pre-printed sheets, or pre-printed webs

The new FOLIOSTAR is designed for fast set ups and automatic format changes in order to achieve an efficient and cost effective production even on short runs. The machine provides a number of exclusive characteristics to achieve this goal:

- Flexibility with various Substrates
- Various Configurations
- High Productivity
- Accuracy
- Quality in Production
- Economic Efficiency

(Picture IPBI page 23-SEPT 2007)

Laminating can be performed using:

- a printed sheet and a web of single-face corrugated
- a printed reel and a web of single-face corrugated
- the web of single-face corrugated can be from a reel or made in-line with a modul facer

For details visit: www.bobstgroup.com

Ryobi 755 – You don't have to hesitate to put any job on Ryobi press.

The Ryobi press prints better than most of the other presses. It's also much easier to work with. One can go from an 8.5 x 11 to a 20 x 26 and back down in a short amount of time with very little heartburn. You can expect just zero

complaint from the pressman. What's more, you can do all kinds of printing on this press – from full bleed solids to reversed type. wash-up and changeover from job to job can be done a snap. At an estimated 1.5 million to 2 million impressions monthly, run this press day and night and there's never a problem.

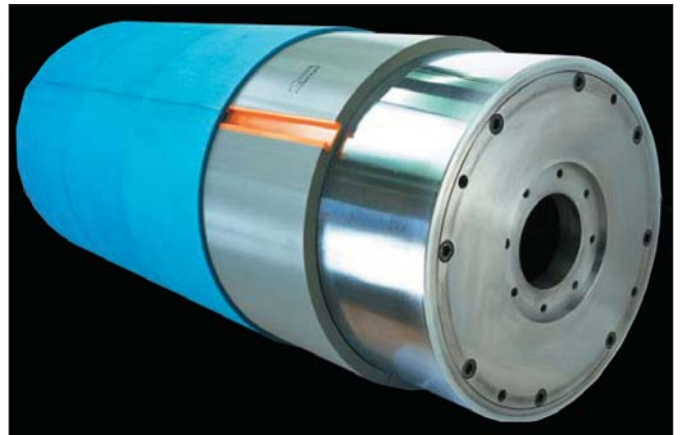


In addition to performance, you will be as much impressed with Ryobi's commitment to innovation, to meeting printer needs – and with the fact that it's part of a global multinational, Ryobi, Ltd., of Tokyo and Hiroshima, Japan. Ryobi has small, mid-size and large presses installed worldwide and it is also a major producer of engine die-castings, power tools and builder' shardware.

Ryobi Graphic Systems Division of Hiroshima, Japan, is one of the world's largest manufacturers of offset printing presses. Ryobi offers multi-functional offset printing presses, hardware and software, that handle all aspects of a print job, from pre-press to binding. It is a world leader in high-precision large, mid-size and small presses, DI presses and CIP4-JDF compliant digital workflows. With pressroom installations in more than 160 nations worldwide, Ryobi presses are respected for their superior print quality, cost-effectiveness, ease of press operation, high reliability and precision machining.

DICAR helps the manufacturers to enhance their productivity

Dicar is the leading manufacturer and supplier of urethane components serving the worldwide corrugated industry with products such as the Boltless™, TrueBlue™ and DuraBlue™ anvil blankets, productivity and quality enhancing Equalizer™, Equamount™ and Anvilok III™ systems, and a full line of diecutting and diemaking supplies.

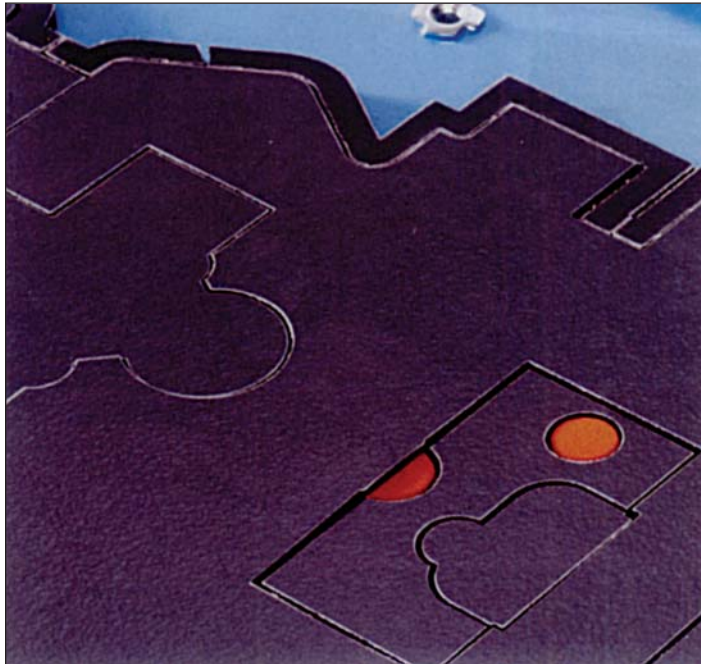


Dicar products focus on enhancing the productivity and quality of the diecutting operation. Dicar's urethane products are formulated and manufactured to provide long-life, high-precision and ease-of-use. Combined, these features help diecutters maximize die-cutting productivity by providing more profit-generating run hours between surfacing (trims), rotations and changes and help maintain the quality of the finished product.

For details visit: www.dicar.com

Creasing make-ready systems by Marbach

The use of Marbach creasing make-ready system steel counter plate and Marbagrid provides a minimum of make-ready times as well as perfect creasing results. For long runs, milled steel counter plates in various varieties, are the best solution. For small to medium runs, customers can use the Marbagrid creasing make-ready system.



The new cutting technique Marbacover provides a number of advantages – bursting of inner layers when cutting corrugated board is avoided. This system, suitable for all kinds of corrugated board, is affordable and the use of creasing make-ready system is possible.

Additionally, the Company has presented at Fachpack its new system for Braille embossing on Corrugated Board., called Marbabraille . The system has been well proven in the folding carton sector for years.

The technique has been slightly modified to allow Braille embossing to be applied to fine flute and micro flute board.

Another innovation is the new blank separation tool called Lightblanker. This tool provides profitable and time saving blank separation, even for short runs or single pieces when blank separation is traditionally undertaken by hand information on systems for reverse scoring, the Mpower cutting system Marbastrip patented stripping system and their elastic embossing unit also are available.

For further info visit: www.marbach.com

Water spray system for improved flute formation

England-based Industrial Spraying Systems specialists, Sealpump Engineering Ltd., brings you a new water spray system that is proving to be highly successful.



The system is located and can be retrofitted to any make of single facer. Sealpump Engineering Ltd. claims that the immediate benefits of using this water spray system include:

- improved flute formation
- reduced delamination
- increase in speed
- increased operator confidence

This system uses dry fog ultrasonic atomizing nozzles using water and compressed air to achieve 3-5 micron droplet atomization.

The sprays are then linked to the systems control panel, which in turn are integrated into the machine process.

For further details on this new system and also about the related products including warp control sprays:

E-mail: stuart.brown@sealpump.com

Website: www.sealpump.co.uk

Heavy Metals in Packaging Materials

New Testing facility available at IIP



Indian Institute of Packaging, Mumbai, has procured Shimadzu Energy Dispersive Spectrometer.

EDXRF Spectrometer, model EDX-720 from Shimadzu Corporation, Japan, is well known for the testing of Hazardous Substances (referred under EU Directive – RoHS, WEEE & ELV) like, Lead, Cadmium, Mercury, Arsenic, Total Chromium and Total Bromine.

This instrument is capable of analyzing these elements in Papers, Inks, Plastics, Films, Aluminium, Tin and any other kind of packaging material.

It can test as small as 1 mm area of the sample. Most of the times, samples are analysed within 100 seconds and without any preparation. It issues report in RoHS compliant format. The instrument is calibrated by using CRM (Certified Reference Materials) having international traceability. It is a non-destructive test.

The equipment is under installation at IIP, Mumbai.

Publications of FCBM

- 3:90** Corrugated Box Manufacturers' Practical Standards – Test Method for Bursting Strength of Corrugated Fibreboard
- 4:90** Proceedings of Technical Sessions (Dec. 1982 – Aug. 1990)
- 6:91** Corrugated Box Manufacturers' Practical Standards – Test Method for Puncture Resistance of Corrugated Fibreboard
- 7:91** Corrugated Box Manufacturers' Practical Standards – Nomenclature
- 8:92** Corrugated Box Manufacturers' Practical Standards – Test Method for Water Absorption (COBB Method)
- 9:92** Technical Information Booklet – Variable Speed Drives for Corrugated Machines
- 10:93** Corrugated Box Manufacturers' Practical Standards – Test Method for Grammage of Kraft Paper and Corrugated Fibreboard
- 11:94** Technical Information Booklet – Adhesives
- 12:94** Technical Information Booklet – Box Styles
- 14:96** Corrugated Box Manufacturers' Practical Standards – Test Method for Compression Strength of Corrugated Box
- 15:97** Corrugated Packaging Brochure
- 16:97** Technical Information Booklet – Industry Survey – 1996
- 17:97** Operational Manual ACS (Ver 4.2) (Account Computing System)
- 18:98** Technical Information Booklet – Industry Survey – 1997
- 19:98** Corrugated Box Manufacturers' Practical Standards – Test Method for Ring Crush Resistance of Paper and Paperboard
- 20:99** Technical Information Booklet – Industry Survey – 1998
- 21:99** Corrugated Box Manufacturers' Practical Standards – Test Method for Moisture Content in Paper and Paperboard
- 22:00** Technical Information Booklet – Industry Survey – 1999
- R-1:00** Corrugated Box Manufacturers' Practical Standards – Box Dimensions, Styles, Mfrs. Joints
- 23:02** Technical Information Booklet – Industry Survey – 2001
- 24:02** Project Report (Full Version)
 - i) A Study on the Important Properties of Kraft Paper at Different Climatic Conditions
 - ii) A Study on the Influence of Properties of Kraft Paper on the Properties of Corrugated Board and Box at Various Climatic Conditions
- 25:02** Project Report (Condensed Version)
- 26:03** Technical Information Booklet – Industry Survey – 2002
- 27:03** Proceedings – Technical Sessions of 31st Conference 2002
- 28:03** Proceedings – Technical Sessions of 30th Conference 2001
- 29:04** Corrugated Box Manufacturers' Practical Standards – Test Method for Thickness of Board
- 30:04** Technical Information Booklet – Industry Survey – 2003
- 31:05** Proceedings – Technical Sessions of 32nd Conference 2003
- 32:05** Proceedings – Technical Sessions of 33rd Conference 2004
- 33:05** Technical Information Booklet – Industry Survey – 2004
- 34:06** Proceedings – Technical Sessions of 34th Conference 2005
- 35:06** Technical Information Booklet – Industry Survey – 2005
- 36:06** Technical Information Booklet – Units of Measurement and Conversion Factors
- 37:06** Technical Information Booklet – International Rules for Corrugated Board and Cases
- 38:07** Proceedings – Technical Sessions of 35th Conference 2006
- 39:07** Technical Information Booklet – Restricted Heavy Metals Specification in Packaging Material
- 40:07** Technical Information Booklet – Guidelines for Designing Heat Transfer System using Heat Transfer Fluids
- 41:08** Proceedings – Technical Sessions of 36th Conference 2007

For further details contact: **FEDERATION OF CORRUGATED BOX MFRS. OF INDIA**

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