

ROTARY TOOLING &
CONVERTING SOLUTIONS

← CONVERTING SOLUTIONS



MADERN EMPOWERING YOUR COMPANY IN SUSTAINABILITY AND PROFITABILITY
WITH COMPETITIVE PREMIUM QUALITY **ROTARY TOOLING & CONVERTING SOLUTIONS**

COMPANY

The family owned company Madern (1954) carries nearly 30 years of experience as a developer and manufacturer of rotary tooling and converting solutions for the folding carton industry.

Our commitment to innovate technology combined with our passion for the paperboard packaging industry drives us to create high quality products. These products, used by an impressive international clientele, have set new standards and are a benchmark for the best industry performances.

Madern manufactures rotary tools with state-of-the-art equipment and the intensive collaboration of a dedicated team of engineers, craftsman and technicians.

Madern guarantees to be your ideal partner in the challenging race of the paperboard packaging market, providing cost effective products, while maintaining our outstanding premium quality and material integrity.

We would like to welcome you to —The Madern World— of rotary tooling and converting solutions.

SERVICES

- ▼ **Research, development and manufacturing** of custom-made rotary tooling and converting solutions for the best performance/price ratio.
- ▼ **Support** during installation, start-up and commissioning of new tools and equipment.
- ▼ **Training** programs for inexperienced and experienced tool engineers and machine operators.
- ▼ Competitive pricing and lead times for **re-knifing** and **re-conditioning** of [Madern] rotary tooling at our 4 manufacturing facilities.
- ▼ 24/7 worldwide **service** and **maintenance** support.

MADERN TECHNOLOGY

SERVO DRIVE TECHNOLOGY

Each rotary die station is equipped with separate electronic servo drive technology.

MADERN SOLUTIONS

- ▼ **REPLACEMENT**
Solutions for replacement of existing flat bed die-cutters.
- ▼ **STAND ALONE OFFLINE**
Rotary die-cutters for converting of pre-printed reels.
- ▼ **INTEGRATION**
Solutions for new or existing production lines.
- ▼ **RETROFITTING**
Solutions for new or outdated production lines.

CONVERTING SOLUTIONS

TOTAL ROTARY CONVERTING SOLUTIONS FOR THE TOBACCO, LIQUID & GENERAL FOLDING PACKAGING INDUSTRY

PRODUCT INFORMATION

Madern offers you a wide range of premium quality and innovative *custom-made* rotary converting solutions. In combination with our wide range of rotary converting tools you can combine the best of both worlds.

The final configuration of your converting solution depends on your wishes and needs, the required machine performance and the type of products to be converted.

Madern rotary converting solutions are available as *single or multiple rotary die-stations* with or without an *infeed station*. The rotary die-stations are executed with the latest electronic servo drive technology.

Our recent innovations in the field of rotary converting solutions have resulted into the new "Revo-Line". Revolutionary in its use of materials, design, change-over times and performance. *Revo-line* will set new standards in the world of rotary converting solutions.

Madern offers the best technical and most competitive solutions for different applications in the folding carton industry, such as tobacco, liquid and general folding cartons.

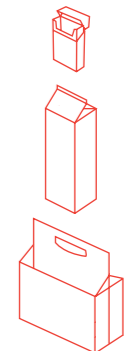
Let our team of experts provide you with comprehensive technical advice and support, to commission and deliver your next *custom-made* rotary converting solution.

(HIGH CONSISTENT PRODUCTION SPEED PRODUCTIVITY)

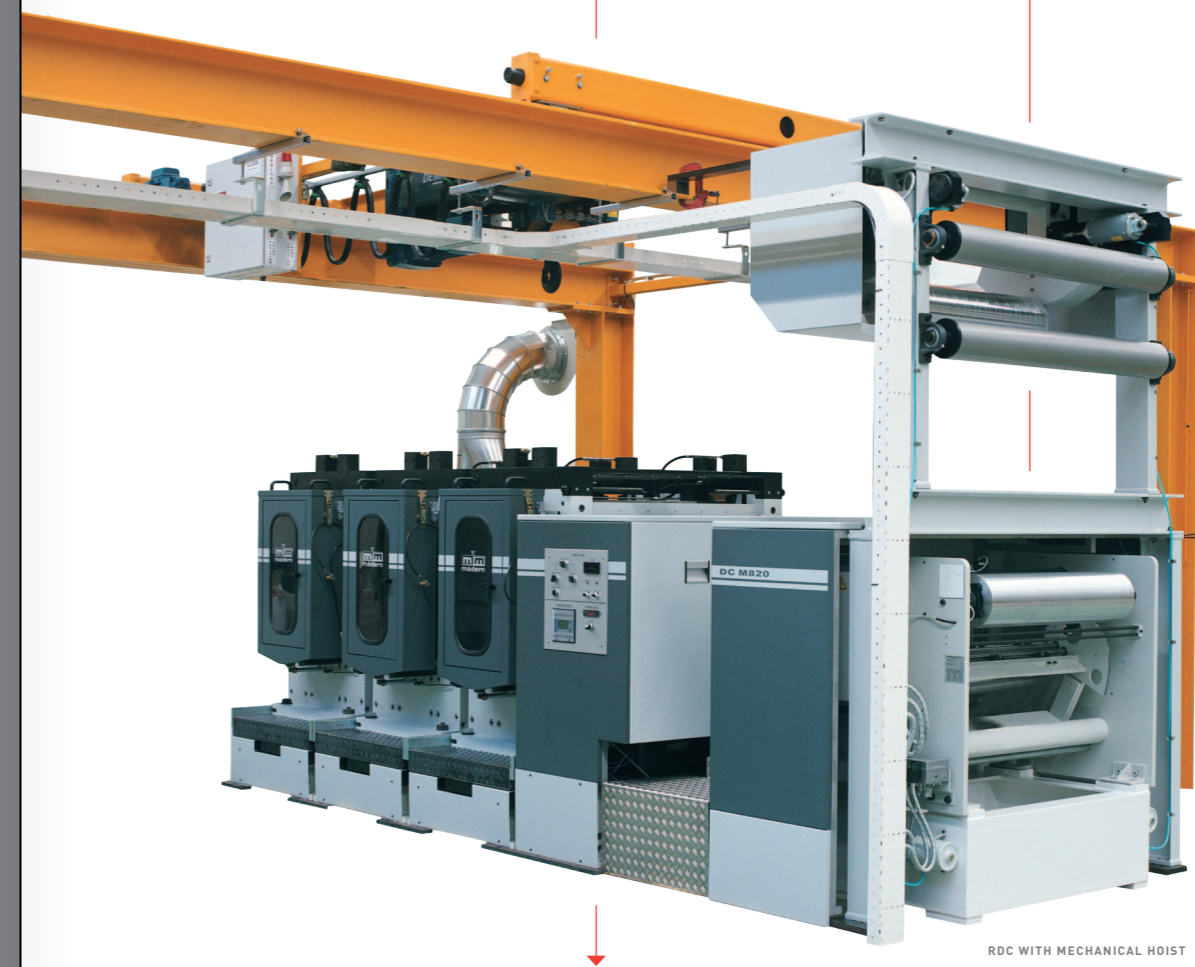
(INCREASE
PRODUCTIVITY
& FLEXIBILITY
OF YOUR NEW
OR EXISTING
PRINTING PRESS)

APPLICATIONS

- ▼ TOBACCO PACKAGING
- ▼ LIQUID PACKAGING
- ▼ GENERAL FOLDING PACKAGING



(MADERN BEARING BLOCKS TECHNOLOGY)

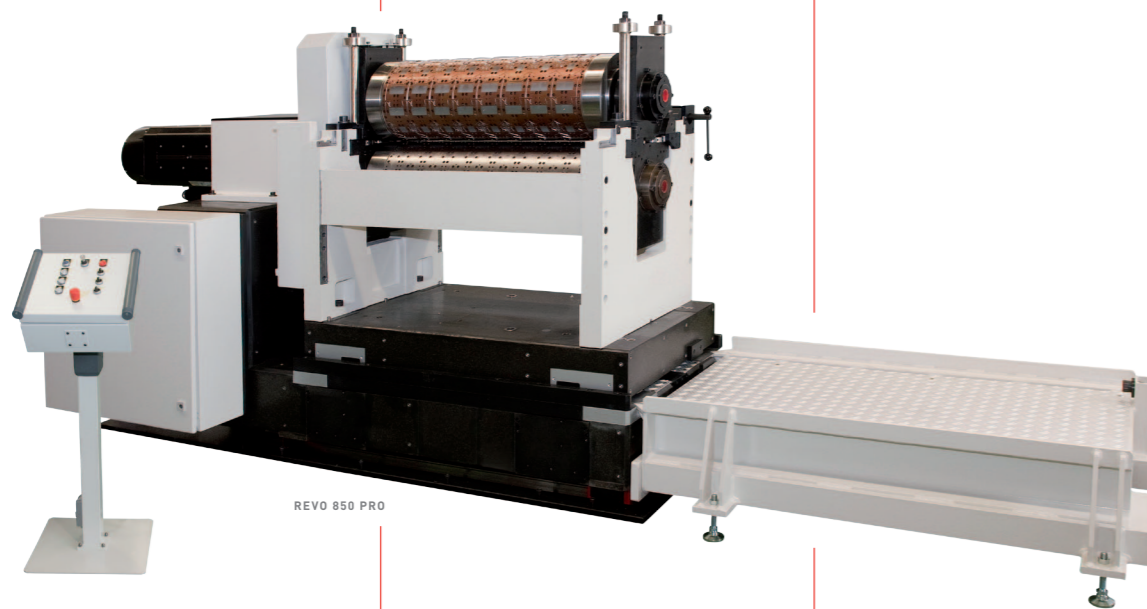


RDC WITH MECHANICAL HOIST

REVO-LINE RDC

CONVERTING SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS

(HIGHLY FLEXIBLE TECHNOLOGY)

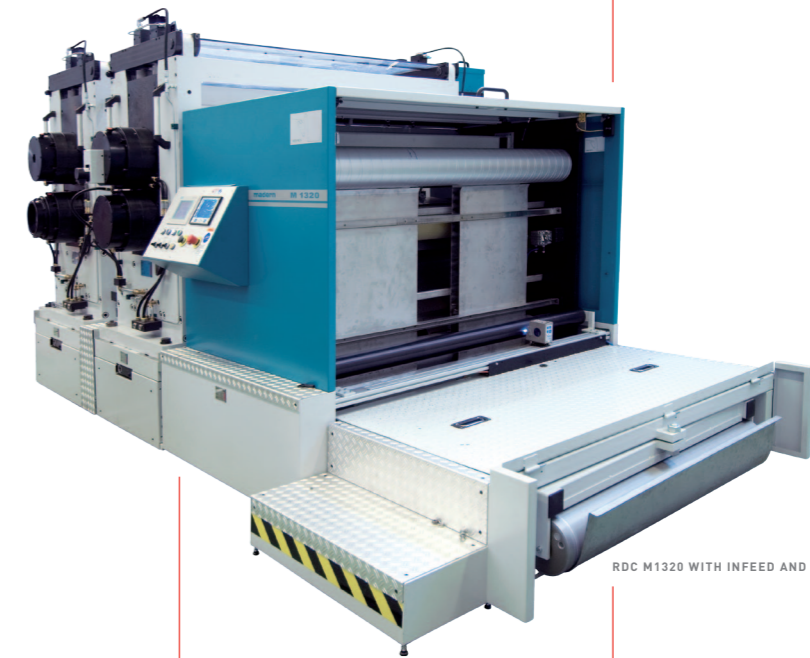


(LIGHT WEIGHT MATERIALS PROFITABILITY)

MADERN SERIES RDC

CONVERTING SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS

(QUICK RE-STARTS SUSTAINABILITY)



(QUICK CHANGE-OVER SOLUTIONS PRODUCTIVITY)

TECHNICAL SPECIFICATIONS REVO-LINE*

TOOL DIAMETERS	UP TO 430 MM (16.9")
WEB WIDTH	650 MM (25.6"), 750 MM (29.5"), 850 MM (33.5"), 950 MM (37.4") OR 1050 MM (41.3")
WEB SPEED	UP TO 400 M/MIN (1312 FT/MIN)
AVAILABLE DESIGN	MODULAR DIE STATIONS FOR CUTTING, CREASING, EMBOSSING, PUNCHING AND STRIPPING
CHARACTERISTICS	<ul style="list-style-type: none"> - CUSTOM-MADE DIE-STATIONS - LIGHT WEIGHT MACHINE DUE TO THE USE OF COMPOSITE MATERIAL - MACHINE DIRECTION LEFT-RIGHT OR RIGHT-LEFT
OPTIONS	<p>EXTEND YOUR REVO-LINE DIE CUTTER TO A REVO-LINE PRO</p> <ul style="list-style-type: none"> - SINGLE OR MULTIPLE STATION ROTARY DIE-CUTTERS UP TO 4 - TOP FRAME CHANGE-OVER WITH AUTOMATIC POSITIONING - SEMI-AUTOMATIC PRESETTING TOOLS - AUTOMATIC LOCKING OF TOP FRAME - AUTOMATIC SETTING OF CD POSITION

*FINAL SPECIFICATIONS MAY VARY FROM THE LIST ABOVE, DUE TO DIFFERENT CHARACTERISTICS OF USED MACHINES, BOARD, VOLUMES, APPLICATIONS & DEVELOPMENTS.

TECHNICAL SPECIFICATIONS INFEEED STATION*

CHARACTERISTICS	PULL ROLLER WITH NIP AND REGISTER MARK SENSOR
OPTIONS	WEB GUIDE, DANCER, DE-CURLER, LOAD CELLS, WEB CUTTER AND WASTE WEB REWINDER

TECHNICAL SPECIFICATIONS DIE-STATION*

TOOL DIAMETERS	UP TO 650 MM (25.6")
WEB WIDTH	720 MM (28") - 1700 MM (67")
WEB SPEED	MECHANICAL UP TO 600 M/MIN (2000 FT/MIN)
AVAILABLE DESIGN	MODULAR DIE STATIONS FOR CUTTING, CREASING, EMBOSSING, PUNCHING AND STRIPPING
CHARACTERISTICS	<ul style="list-style-type: none"> - CUSTOM-MADE DIE-STATIONS - MOTORIZED SETTINGS AND JOB MEMORIZATION - INDEPENDENT MECHANICAL AND ELECTRICAL MACHINE INTERFACE - REGISTER CONTROL SYSTEM - MACHINE DIRECTION LEFT-RIGHT OR RIGHT-LEFT - TOP FRAME MODULES WITH MAGNETIC LOCKING AND QUICK CHANGE-OVER FEATURES - OFF-LINE TOOL PREPARATION
OPTIONS	<ul style="list-style-type: none"> - SINGLE OR MULTIPLE ROTARY DIE-STATION - VARIOUS FEATURES STATIONS - MADERN BEARING BLOCKS - FUTURE AND ADDITIONAL EXTENSIONS POSSIBLE

*FINAL SPECIFICATIONS MAY VARY FROM THE LIST ABOVE, DUE TO DIFFERENT CHARACTERISTICS OF USED MACHINES, BOARD, VOLUMES, APPLICATIONS & DEVELOPMENTS.



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