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, craftsmen 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.

ROCKY TOOLING & CONVERTING SOLUTIONS
**MADERN GENERAL INFORMATION**

**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.

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

**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-tooling and re-conditioning of MADERN rotary tooling at our 4 manufacturing facilities.
- 24/7 worldwide service and maintenance support.

**MADERN TECHNOLOGY**

**CUTTING PRINCIPLES**

- **SOLID DIES (VALUE SERIES)**
  - Combination of fully mechanical segmented and hardened solid dies and partially segmented rotary technology (surface treated when needed).

- **SEGMENTED DIES**
  - Steel body cylinders in combination with PM steel segments with dead-fit technology.

- **SLIDING RING DIES (ADJUSTABLE)**
  - Steel body cylinders with steel sliding ring technology for liquid packaging.

**TOOL EXECUTIONS**

**TECHNICAL SPECIFICATIONS TOBACCO PACKAGING CUTTING TOOLS**

**DIAMETERS**
- up to 400 mm (15.75”)

**WEB WIDTH**
- 400 mm (15.75”) – 850 mm (33.5”)

**WEB SPEED**
- up to 300 m/min (1180 fpm/min)

**AVAILABLE DESIGN**
- CUTTING, PUNCHING OR PERFORATING
- PHARMACEUTICAL Blister Pack Blister Packaging
- GELatin, PTFE, PELLET PACKAGING
- CARTRIDGE PACKAGING
- HYGIENE, COSMETICS, PHARMACEUTICAL
- CARRIER PACKS, FRIDGE VENDORS, CUPS
- FOOD
- BEVERAGES

**CHARACTERISTICS**
- CONICAL BEARERS FOR ACCURATE CUTTING GAP CONTROL
- PM STEEL, CHROMED AND TREATED WITH SPECIAL COATINGS WHEN NEEDED

**OPTIONS**
- SOLID OR SEGMENTED DIES
- DOUBLE CUT
- SHORT OR LONG GRAIN
- STRIPPING MODULES
- QUICKEEZE MODULES
- GLUE PERFORATIONS
- PLASTIC AND DRINKS

*Final specifications may vary from the list above, due to different characteristics of user machines, board volumes, applications & developments.*
Let our team of experts provide you with competitive solutions for different applications in the range of cutting tools are segmented or a combination.

Madern offers you premium quality rotary cutting tools in various executions, shapes, perboard.

HIGH SPEED CUTTING FOR ALL YOUR GENERAL FOLDDING PACKAGING NEEDS

TECHNICAL SPECIFICATIONS GENERAL FOLDING PACKAGING CUTTING TOOLS

Diameters: Up to 450 mm (17.7”)
Web Width: 255 mm (10”) – 1780 mm (69.7”)
Web Speed: Up to 360 m/min (1180 ft/min)
Available Design: Cutting, Functioning and Perforating
Characteristics: Conical Bearers for accurate Cutting Gap Control
Material: PM Steel, Chrome'd when needed
Options: Combined cutting and Creasing on the same Cylinder Set, Crush Cut and/or Scissor Cut (MP), Adjustable Bearers Ring in Male Cylinder, Segments, Individual setting of Non-Predominant Scissor Cut (MP) Cutting Lines, Stripping Module, Frames and Drives

Final Specifications may vary from the list above, due to different characteristics of used machines, board, volumes, applications & developments.

HIGH SPEED CUTTING FOR ALL YOUR LIQUID PACKAGING NEEDS

TECHNICAL SPECIFICATIONS LIQUID PACKAGING CUTTING TOOLS

Diameters: Up to 450 mm (17.7”)
Web Width: 450 mm (17.7”) – 1720 mm (67.7”)
Web Speed: Up to 500 m/min (1640 ft/min)
Available Design: Finishing or Perforating
Characteristics: Segmented Cylinders
Material: PM Steel, Chrome’d when needed
Options: Solo, Segmented or Combination Dies, Strand Holes, Rib Scores, Screw Caps, Stripping (Outboard) Module, Frames and Drives

Final Specifications may vary from the list above, due to different characteristics of used machines, board, volumes, applications & developments.

TOOL FOR RECYCLED BOARDS SUSTAINABILITY

LOW BOARD WASTAGE PROFITABILITY

APPLICATIONS

- Beverages (Carrier Packs, Fridge Vendors, Cups)
- Food (Dry, Frozen, Fast Food)
- Personal Care (Hygiene, Cosmetics, Pharmaceutical)
- Various (Express Mailing Envelopes and Sheet Cutting Tools)

CONSISTENT PERFORMANCE QUALITY

STRIPPING UNIT TECHNOLOGY

ADJUSTABLE RINGS TECHNOLOGY

APPLICATIONS

- Aseptic packaging
- Gable Top Packaging

LONG DIE LIFE QUALITY