



Penta Box

Shells and
products for
rotary die
makers





Penta Box

Penta Box provides the most complete range of solutions in the rotary die market: its beech shells and cutting rules are the reliable daily partner of die makers all over the world.

The production of great rotary shells starts from the selection of best beech logs from east-european forests: the entire productive process from the log treatment to the final packaging is managed inside the company production plant.

Thanks to the strict quality control on all processing phases Penta Box is able to deliver the ideal product for today work habits of die makers all over the world.

All the processing phases are designed to obtain 100% beech rotary shells with the best possible wood stability to respect tight dimension tolerances and to reduce at minimum the setting time before the laser cutting.

The temperature and humidity parameters during the curving process are strictly controlled for each range of shell diameter.

The shells are trimmed with the customer specification with electronic controlled cutting system.

The final quality check marks each shell with week and year of production making all pieces easy traceable.

Penta Box beech rotary shells can be provided as natural beech or paper covered: there are many colors available in the range and also the possibility to produce the shells with registered RAL of the customer or with logo printed on.

All paper are tested and approved for laser cutting process.

“The widest range of beech rotary shells in the die cutting market.”

Penta Box is not just production and delivery of products for rotary die makers: the company features also the strongest commercial and customer care department of the market. Each customer and business partner has a direct link with its Penta Box area manager for the management of all commercial issues.

PRODUCT RANGE

DIAMETER RANGE	170 – 750 mm	inch: 6 ½" – 29 ½"
LENGTH	Up to 3000 mm (depending to diameter)	inch: 118 ⅞"
THICKNESS	12,7 – 18 Special thickness available on request	inch: ½" – ⅞"
TRIMMING	Standard Not-trimmed Trimmed at minimum (maximum possible length of semicircle) Longer semicircle (TBD for customer spec.)	
SURFACE	Natural beech Coloured paper covered (company logo personalization available)	

TECHNICAL DATA

DIAMETER TOLERANCES (mm)	170 – 242 -2/+2 243 – 390 -3/+2 391 – 487 -4/+2	inch: 6 ½" – 9 ½" - 2/25" + 2/25" inch: 9 ⅜" – 15 ½" - 1/10" + 1/25" inch: 15 ⅝" – 19 ⅜" - 3/20" + 2/25"
THICKNESS TOLERANCES	± 0,3 mm	inch: ± 1/100"
LENGTH TOLERANCES	± 10 mm	inch: ± 2/5"
SEMI-CIRCLE LENGTH	From +0 to +12 mm (custom personalization available)	inch: +0" to ½"
QUALITY CONTROL	3 point measures for each shell for inner diameter	
SHELL MARKING	Diameter and thickness specified in the edge Week and year of production ID in the edge	

SHIPPING STANDARD The packaging of each pallet or 5 pieces cylinder is projected to avoid the deforming of shells and possible damages to surface of edges and to reduce costs of shipping.

	PALLETIZED	5 PIECES CYLINDER
TRUCK SHIPPING	Vertical up to 2200 mm (86 ⅔") / Horizontal from 2300 mm (90 ½")	Loading project designed after agreement with customer to save transport costs and unloading time
CONTAINER SHIPPING	Vertical up to 2100 mm (82 ⅔") / Horizontal from 2200 mm (86 ⅔")	

CUTTING RULES

Penta Box provides a complete range of cutting rules for rotary dies: the offer includes all the required standard of the market as 9 & 12 teeth rules, Euro Cut rules, all dimensions and diameters of perforating rules, cut-crease and also 4 & 6 points creasing rules.





Penta Box

Shells and
products for
rotary die
makers

PENTA BOX srl

Headquarter

Strada Iuliu Maniu, nr. 32, Birou nr. 18, Etaj 1
500100 Loc. Brasov (RO)

Productive plant

Strada Pastorului sn
310147 Arad (RO)

Branch office Italy & Commercial Dept.

Via Cartiera, Nr. 158/142
40037 Sasso Marconi Loc. Borgonuovo (BO) – Italy

Contact

Tel. +39 051 6783046

Fax. +39 051 6782359

Email. info@pentabox.eu

Web. www.pentabox.eu