



MATRIX



INDEX

ABOUT US	3
KNIVES FOR CHIP BOARD, VENEER, OSB, MDF & PLYWOOD INDUSTRY	
CHIPPER KNIVES	4
SLICER KNIVES	6
FLAKER KNIVES	8
HAMMER MILL BEATERS	9
WEAR SHOES	10
KNIFE HOLDERS	11
COUNTER KNIVE'S & KNIFE CLAMPING BLOCKS	12
PEELING KNIVES	13
KNIVES FOR PRINTING & PACKAGING INDUSTRY	
PAPER CUTTING KNIVES	14
TRIMMER KNIVES	15
KNIVES FOR NOTE BOOK MANUFACTURING	16
SHEET CUTTER KNIVES	17
STITCHER KNIVES	18
KNIVES FOR PLASTIC, RUBBER & RECYCLING INDUSTRY	19
WHY US	20

**A dull knife is
more dangerous
than a sharp one.**



ABOUT US

Established in 1981 (as Matrix Engineering) **Matrix Cutting Tools Private Limited** offers a wide range of Cutting Blades and Machine Knives customized for different industrial applications. In addition to the latest CNC machining equipment and tools, we have an in-house heat-treatment shop, quality control & testing laboratory at our factory in NCR. The latter two, in conjunction, form the backbone of our Research & Development initiative.

The R&D initiative has been one of the strongest backbone of our company. We have developed proprietary compositions of alloys, and processes for the manufacturing execution that gives our knives high toughness, excellent wear resistance and superb edge retention properties. Globally we match, in all cases, and exceed in the actual in-use experience of the best-performing blades. It is this commitment towards excellence that drives us to continue investing 7-10% of our turnover annually for R&D.

Specialist to the Woodworking Specialists.

We specialise in the manufacture of Chipper Knives, Peeling Knives, Slicer Knives, Flaker Knives & Wear parts for Wood Working Machines and are a major supplier of these Knives to reputed Paper Mills, Particle Board and MDF Plants, Veneer & Plywood units in the Indian Subcontinent. We offer knives made from Chipper Steel, Cladded Steel and Special Grade wear resisting Steels.

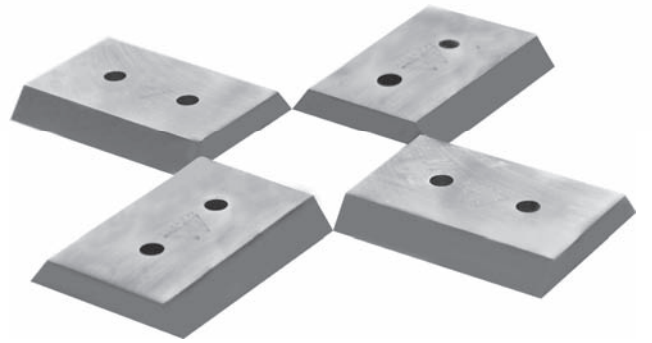
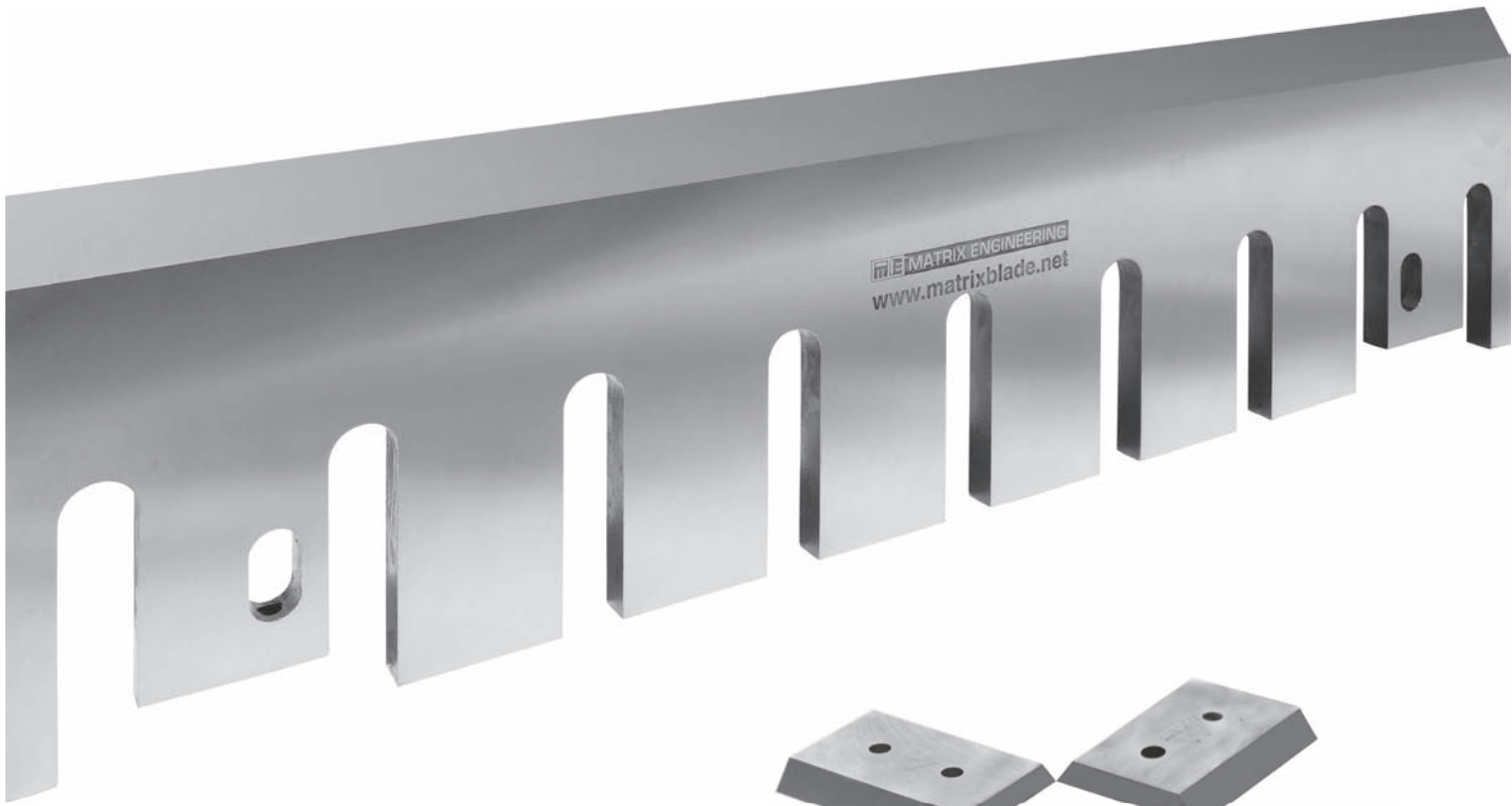
Cutting Edge Technology for your Paper cutting needs.

We Manufacture Guillotine Knives, Sheet Cutter Knives, Stitching Knives and Knives for Three Knife Trimmers.

Available in different sizes up to 4000mm length in single piece, made from Solid Alloy Steel, Cladded Steel and High Speed Steel, these knives are suitable for cutting paper, card board, duplex board and film.

Apart from the Indian Market, these Knives are being exported to the Middle East, South East Asia, Africa, North America & Europe.

CHIPPER KNIVES



MATRIX Chipper Fly Knives & Dead Knives are made from chipper grade Alloy Steels. A specialized heat treatment process results in maximizing the impact resistance & edge retention properties. Precise machining & grinding to close tolerance ensures easy fitment & trouble free performance.

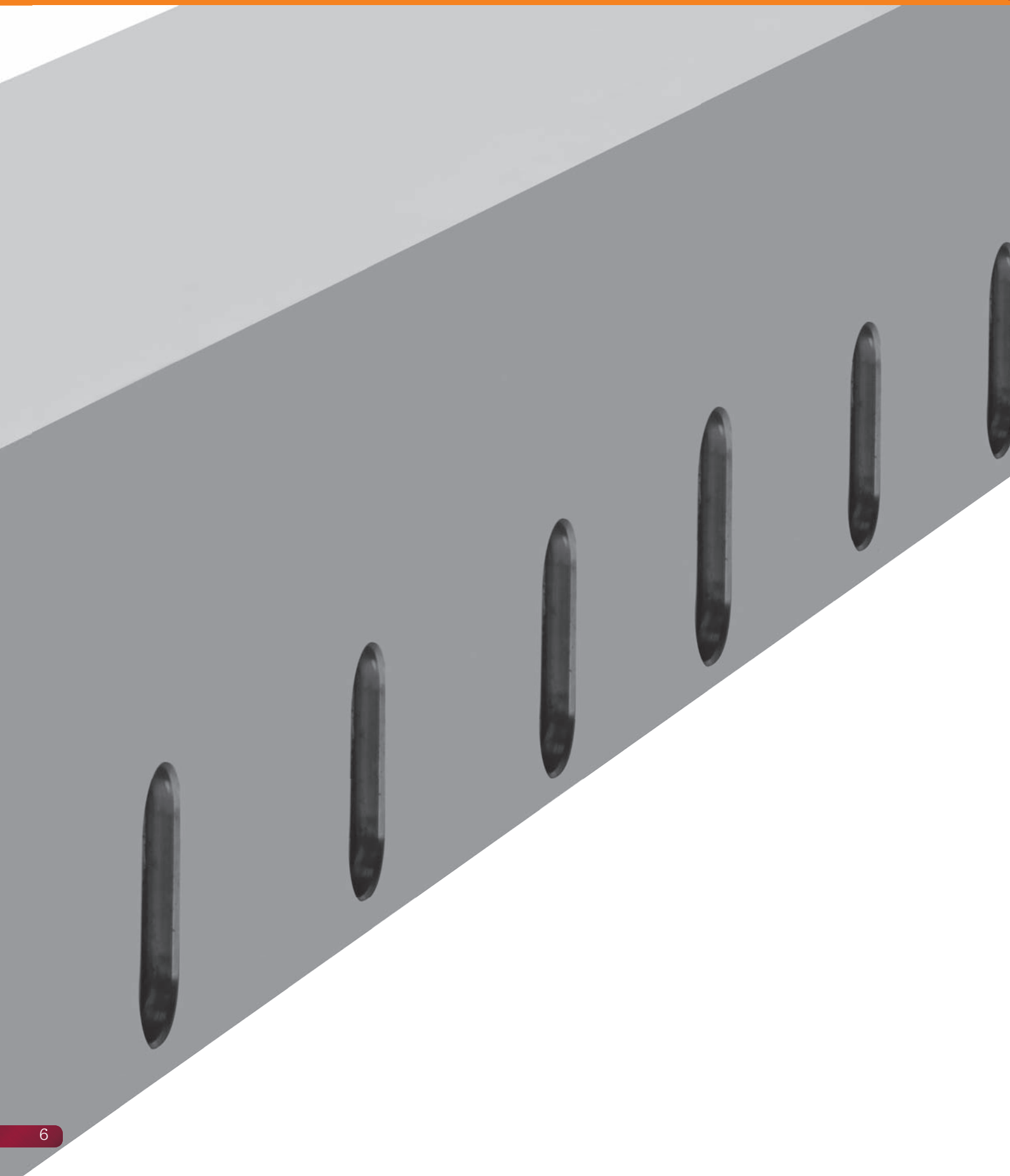
CHIPPER KNIVES



We offer Knives in K300, K329 & A8 Grade Steels for chipping Wood, Bamboo & Veneer waste for all models of Hombak, Klockner, Voith, KMW, Bruks, Pallmann, Bezner, Swetha & Other major Chipper Machine manufacturers. Special sizes can be made on order.



SLICER KNIVES



SLICER KNIVES



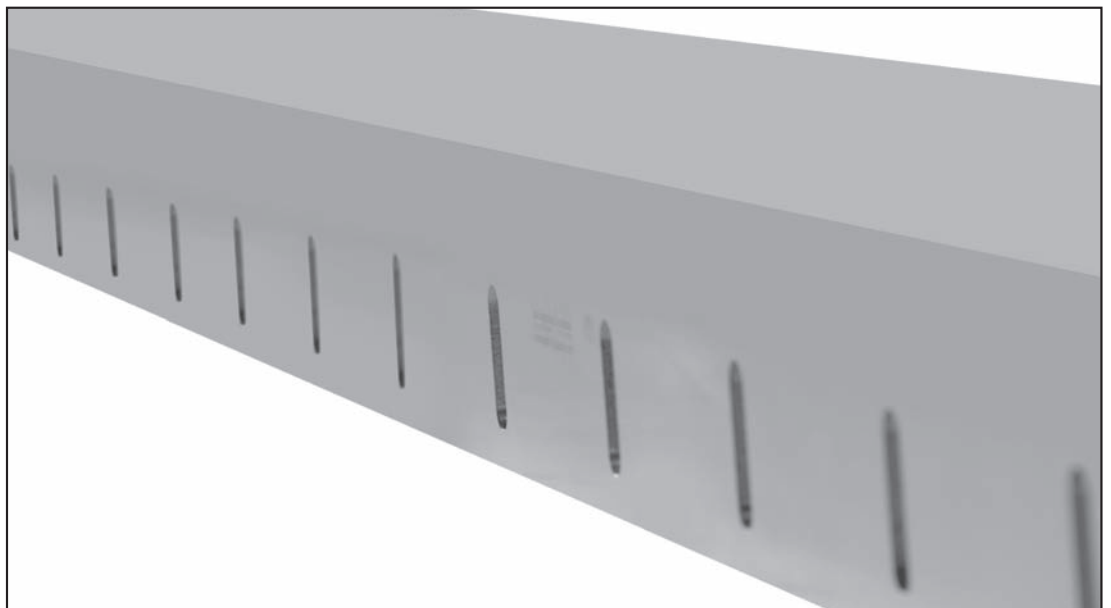
PLATINA[®]
MACHINE KNIVES

PLATINA[®] XHD
MACHINE KNIVES

Platina & Platina XHD series of Slicer Knives for the Veneer & Plywood Industry come in two different qualities and upto 4000 mm in length. These Knives are offered in High Grade Alloy Steel.

Selection of top class Alloy Steels suitable for different species of wood, their specialized heat treatment and processing with utmost care, has resulted in a proven track record of most satisfied customers.

We offer Slicer Knives for Cremona, Mihoma, Czech, European & Chinese Machines. Special sizes can be made on order.

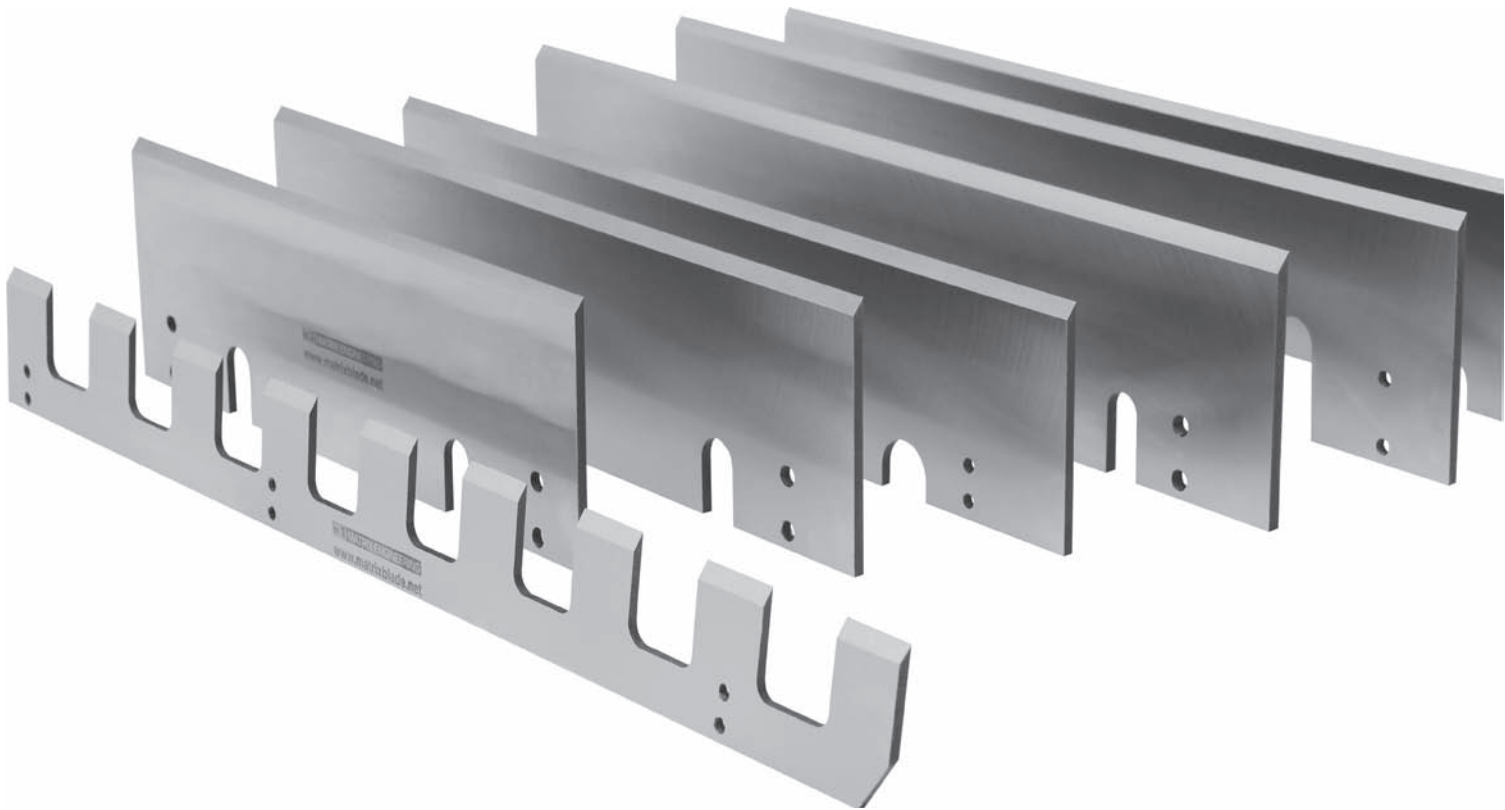


FLAKER KNIVES

MATRIX has been manufacturing Knives for the Particle Board Industry since its inception. Our endeavour is to provide value for money products. Continuous research and innovation has resulted in our offering Flaker Knives that reduce tooling costs and stood up to global challenges.

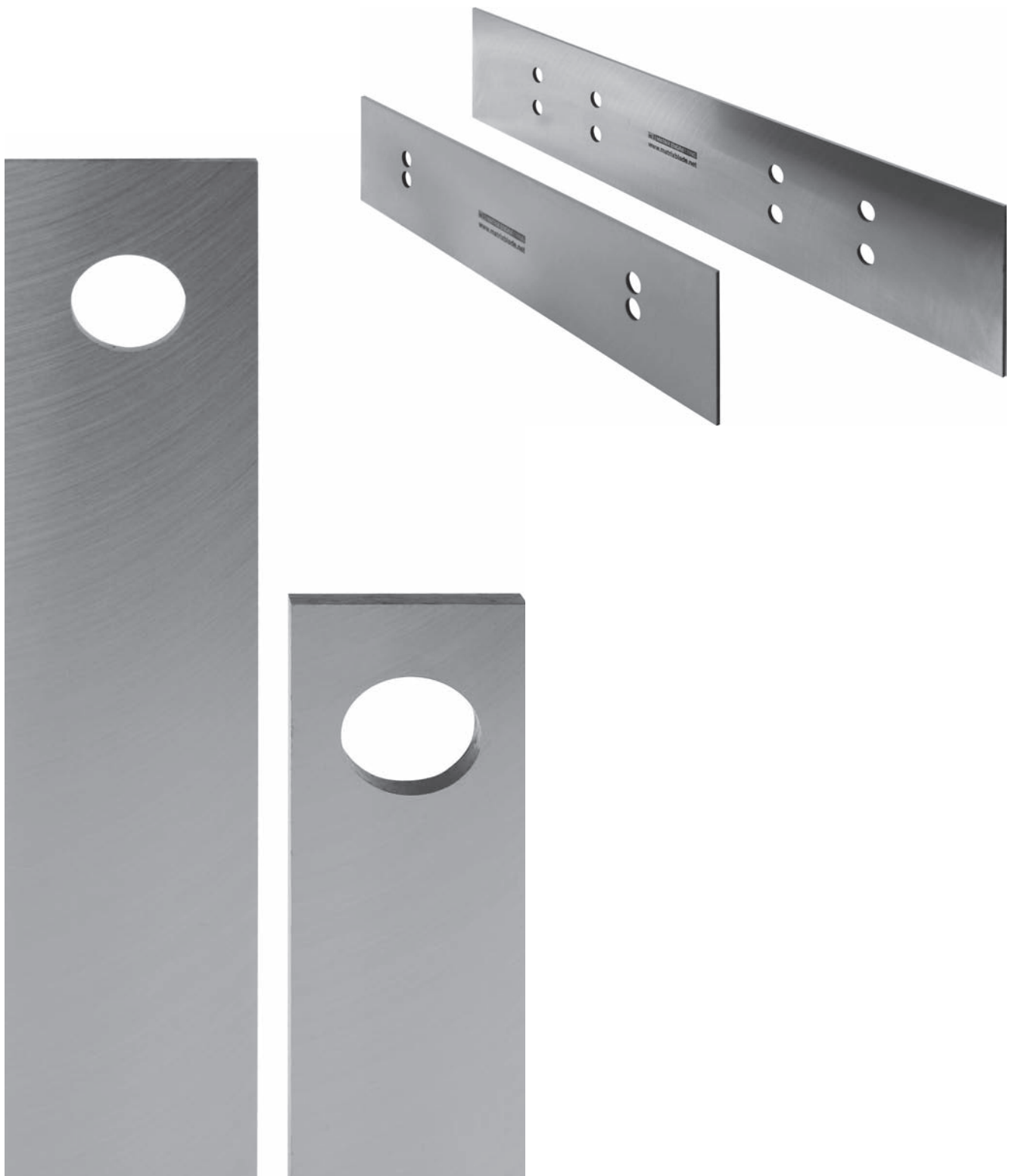
Flaker Knives are available in Chipper Steel and High Alloy wear-resistance Steel.

Available for all sizes of Pallmann, Maier, Klockner, Hombak, Bezner, Pessa & Chinese Machines



HAMMER MILL BEATERS

Made from High impact wear-resisting steels, optimally heat treated and ground finished, Inner & Outer Hammer Mill Beaters and PSKM Beaters have exceptionally superior edge retention properties and are available in all sizes.



WEAR SHOES

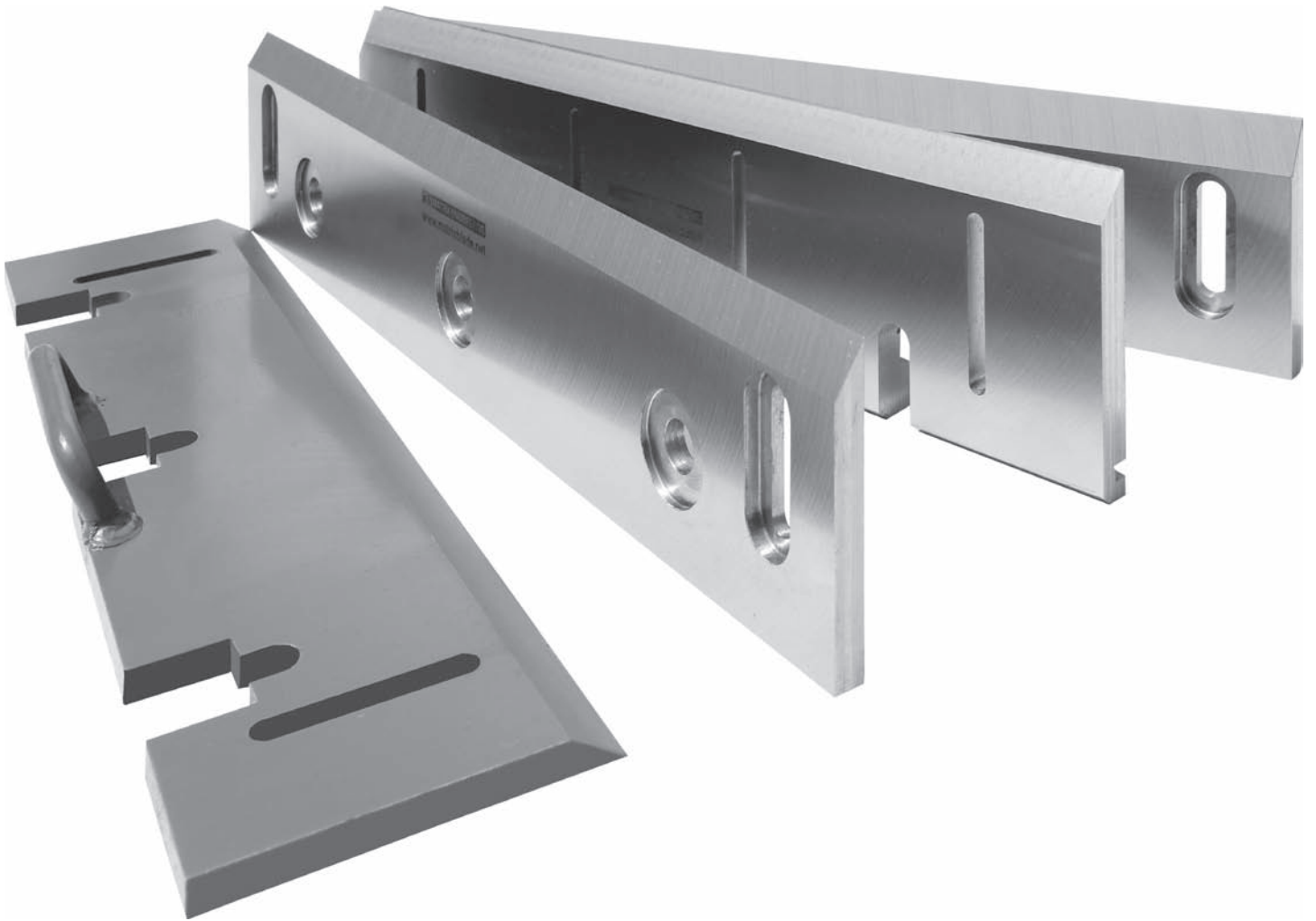
We offer Wear Shoes made from Chipper Steel and Hi Alloy wear resisting Steel.

Suitably Hardened and Ground Finished to precision on worlds best CNC Machines ensure perfect matching of profiles and long life of the edges resulting in uniform quality of Flakes.

Available for all sizes of Pallmann, Maier, Klockner, Pessa & Chinese Machines.



KNIFE HOLDERS



Knife Holders and support plates are manufactured from Hi grade Alloy steel having superior wear resistance and high Impact strength properties.

Machining to close tolerances ensure easy fitment and optimum performance of Flaker Knives & Knife Holders.

Available for all sizes of Pallmann, Maier, Klockner, Pessa & Chinese Machines.

COUNTER KNIVES KNIFE CLAMPING BLOCKS

Flaker Counter Knives, Clamping Blocks and Knife Support Plates are available in superior quality wear resisting Steel.

Heat treatment in specially designed and digitally controlled Furnaces ensure High Impact resistance and excellent edge retention properties.

Good quality Counter Knives contribute significantly to less loading on the Chipper and Flaker Knives thus leading to over all cost reduction in terms of the Knife consumption and power savings on the running of the Chipper and Flaker Machines.



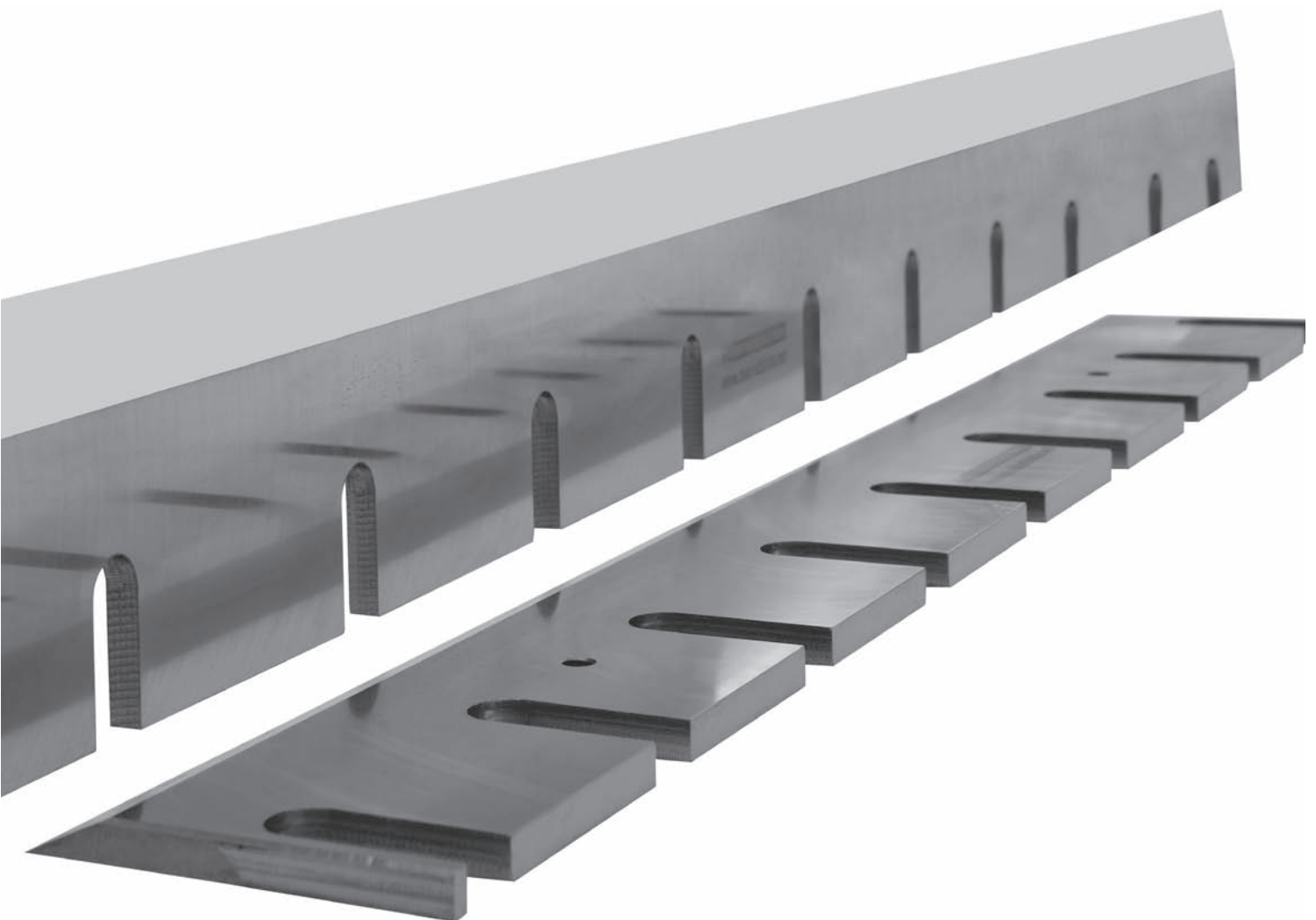
PEELING KNIVES



Victor, Platina & Platina XHD series of Peeling Knives for the Veneer & Plywood Industry come in three different qualities and upto 4000 mm in length. These Knives are offered in Cladded Steel.

Selection of top class Alloy Steels suitable for different species of wood, their specialized heat treatment and processing with utmost care, has resulted in a proven track record of most satisfied customers.

We offer Veneer Peeling Knives, Clipper Knives, Jointer Knives and Pressure Bars, for Cremona, Mihoma, Czech, Bharat, Tusker, Ply Machine & all other Indian, European & Chinese Machines.



PAPER CUTTING KNIVES

PLATINA[®]
MACHINE KNIVES

Platina and PlatinaXHD series of paper cutting knives are manufactured in Solid Alloy Steel, Cladded Steel and High Speed Steel, They are compatible with most popular paper cutting machines such as Perfecta, Polar, Maxima, Mandelli, Schneider-Senator, Kolbus, Wohlenberg, Itoh, Welbound, Pivano, Horauff, Muller Martini, Polygraph etc.

PLATINA[®]**XHD**
MACHINE KNIVES



POLAR -115



SEYPA-115

TRIMMER KNIVES



Platina and PlatinaXHD series of Trimmer knives are manufactured in Cladded Steel and High Speed Steel. They are compatible with most popular Trimmer machines such as Perfecta, Horauf, Schneider-Senator, Kolbus, Wohlenberg, Itoh, Welbound, Pivano, Horauff, Muller Martini, Polygraph etc.

PERFECTA SDY-1/2



KOLBUS HD-140



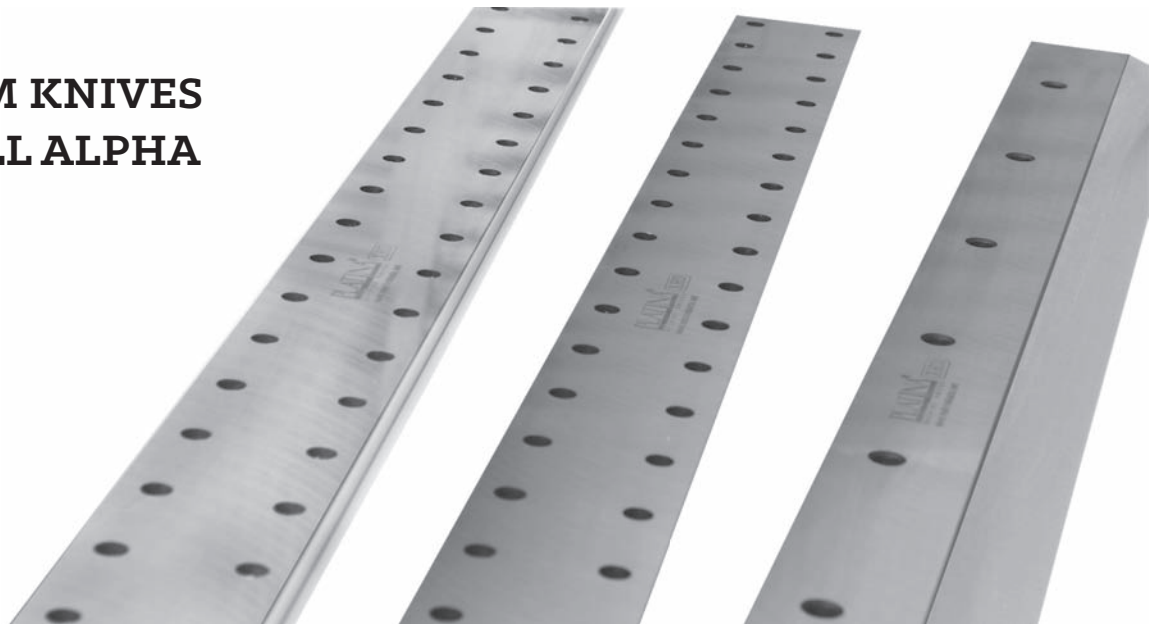
KNIVES FOR NOTE BOOK MANUFACTURING

PLATINA[®]
MACHINE KNIVES

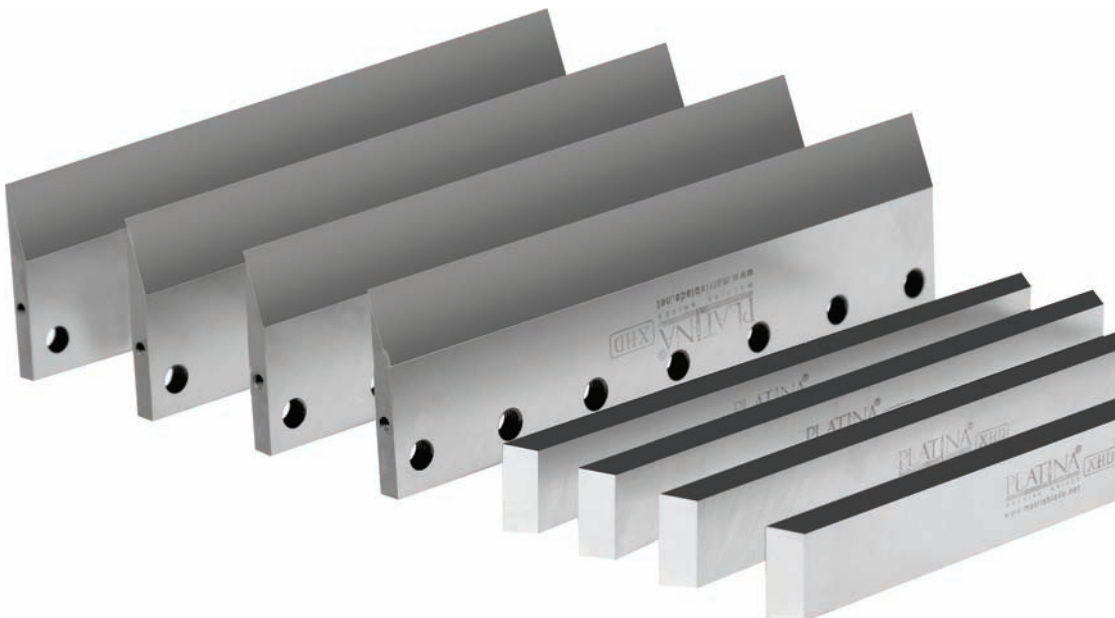
PLATINA[®]XHD
MACHINE KNIVES

Platina and PlatinaXHD series of knives for note book manufacturing are available in Soild Steel and High Speed Steel. They are compatible with most popular machines such as E.C.H. WILL, Lineomatic and other popular brands available in the market

TOP & BOTTOM KNIVES FOR E.C.H. WILL ALPHA MACHINE



TRIMMER TOP KNIVES FOR E.C.H. WILL ALPHA & LINEOMATIC MACHINE

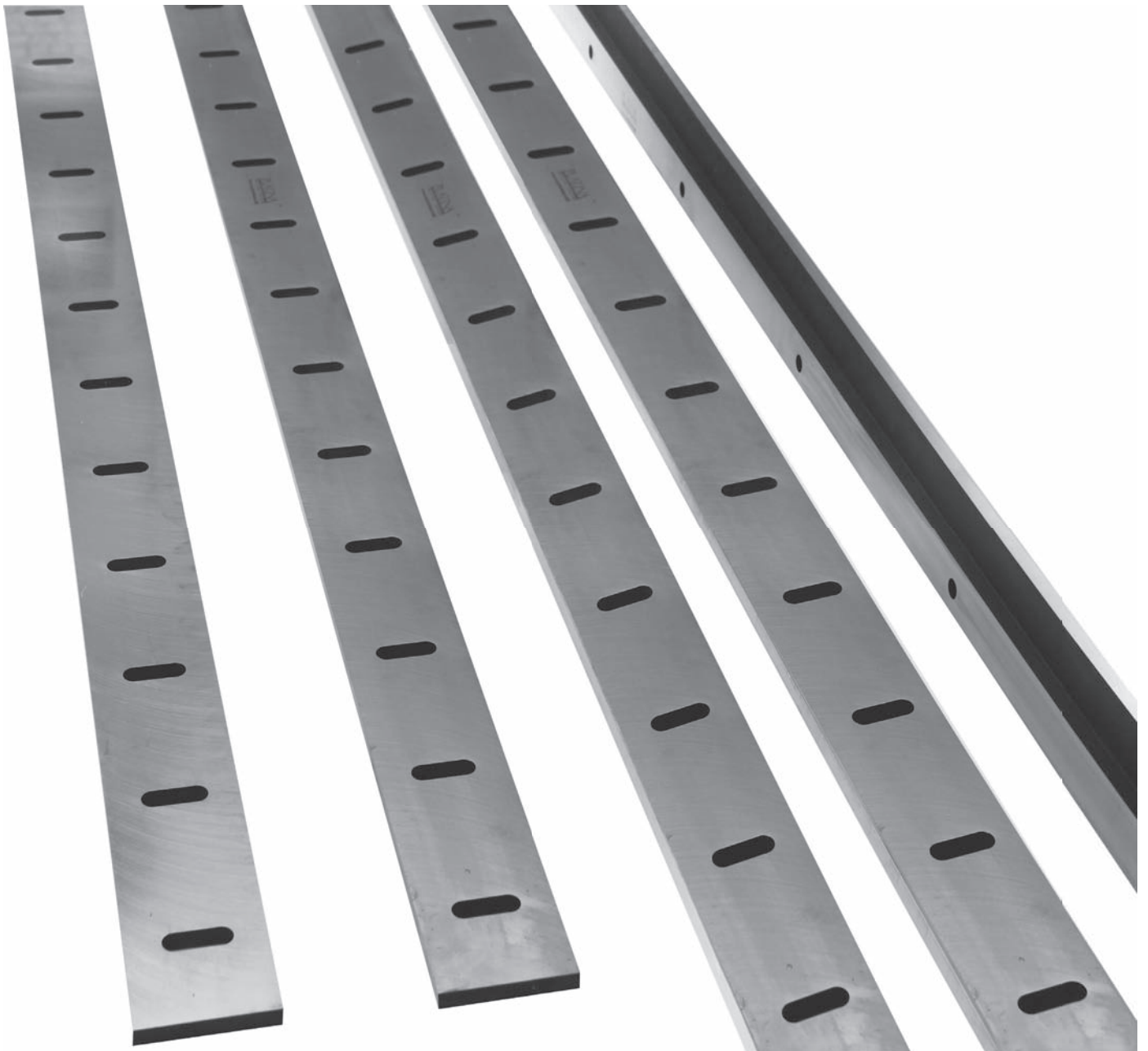


SHEET CUTTER KNIVES

PLATINA[®]
MACHINE KNIVES

PLATINA[®]XHD
MACHINE KNIVES

Platina and PlatinaXHD series of Sheeter knives are manufactured in D2, D3 and high speed steel up to 4 meters length and are available for all popular models of sheeter machines.



STITCHER KNIVES

PLATINA[®]
MACHINE KNIVES

PLATINA[®]XHD
MACHINE KNIVES

Platina and PlatinaXHD series of stitcher knives are manufactured in solid steel and high speed steel and are available for all models of Muller Martini model no. 1509/1522, DS217/221/235, DS251, Berhmer-LBW-745, 750, Osako, Itoh, Horizon, Hohner, Heidelberg and other popular brands.



MULLER MARTINI PRIMERA



MULLER MARTINI-1509/1522



**MULLER MARTINI-
DS-251**

KNIVES FOR PLASTIC, RUBBER & RECYCLING INDUSTRY

PLATINA[®]
MACHINE KNIVES

Platina and PlatinaXHD series of knives are manufactured for the Plastic, Rubber & Recycling Industry and are available in D2, D3, HSS and A8 Grades of steel depending upon the cutting application up to 4 meters in length.

PLATINA[®]XHD
MACHINE KNIVES



WHY US

Experience

Nearly 35 years of experience in the manufacturing of Industrial Knives for wood working and paper cutting applications.

Selection of various grades of steel tailored to match performance with cost.

Capability to manufacture knives up to 3000 mm in length in a single piece.

Reliability

Manufactured using proprietary knowledge of materials and processes, honed over the years through constant Research and Innovation.

Use of top quality steels, sourced from world's best manufacturers.

Zero defect testing and certification for every knife.

Total in-house end-to-end manufacturing on the latest & world's best CNC machines.

Speed

Responsive manufacturing system.

Are Partners with industry's best Logistics Companies for quick transport and delivery.

Cost Effectiveness

Internationally competitive prices.

Increased blade life due to specialized Heat treatment processes.

Reduced grinding costs due to longer edge life availed between two re-sharpenings.

Training & After Sales Support

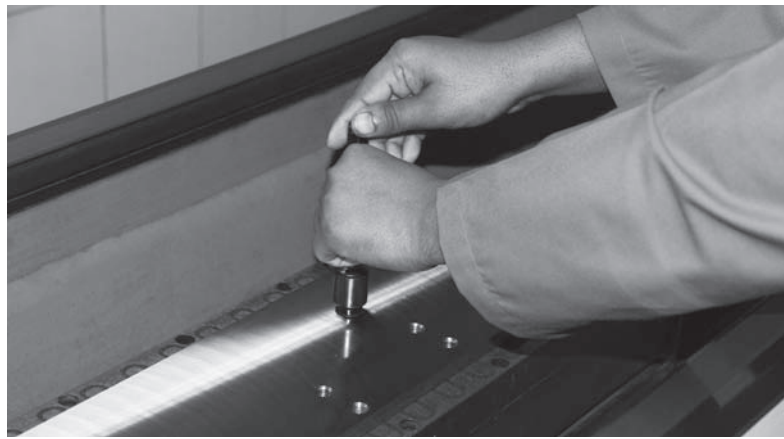
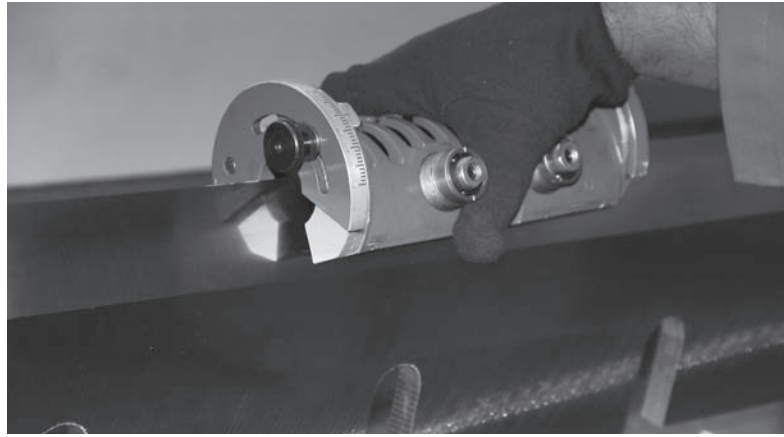
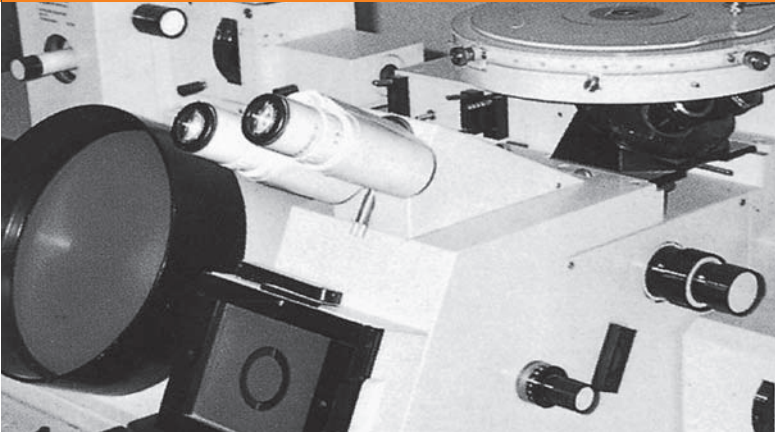
We organise on-site training programmes for your staff on:

1. Knife re-sharpening & Honing
2. Tips to improve productivity of the Knives.
3. Selection criteria for the right grade of grinding wheels & segments.

Custom

Special sizes can be customised on order.







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