

TESLA TOOLS

Tooling Solution for All..



TESLA TOOLS

Office:

*New No: 9, Old No: 6, 7, 8,
1st Main Road, Balaji Nagar,
Ekkattuthangal, Chennai - 600032*

**DORMER
MIRANDA**

- I. HSS,SOLID CARBIDE DRILLS, Replaceable Head Drills
- II. HSS,SOLID CARBIDE REAMERS & COUNTERSINKS
- III. Carbide Thread Mill Cutters
- IV. HSS-EPM Taps, Carbide Taps & DIES
- V. Solid Carbide End mills
- VI. Rotary Burrs

PRAMET

- I. Turning Tools – ISO,CBN,PCD,CERAMIC,
- II. PARTING,GROOVING & THREADING
- III. Indexable Milling Tools
- IV. U-Drills
- V. Finish Boring Heads
- VI. Basic Tool Holders



- I. Turning Tools – ISO,CBN,PCD,CERAMIC,
- II. Indexable Milling Tools
- III. Boring Tools



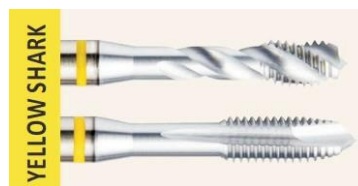
- I. STD Flat & Ball End mills 55HRC & 65HRC
- II. TITANIUM & Stainless steel Cutting
- III. Long Neck Flat & Ball End mills
- IV. Long Flat & Ball End mills 55HRC & 65HRC



- I. Plain EDM Wires 0.25
- II. EDM Machine Spares & Consumables
- III. Moly Wires



- I. Lifting Clamps
- II. Lifting Accessories



COLOR RING CODING The color ring on the tool shank identifies suitability for specific materials and enables *quick and easy tool selection*.

Yellow	STRUCTURAL, PLAIN CARBON & LOW ALLOY STEELS
Blue	STAINLESS STEELS
Red	ALLOY STEELS
Green	NON-FERROUS MATERIALS
White	CAST IRON



Carbide Thread Milling



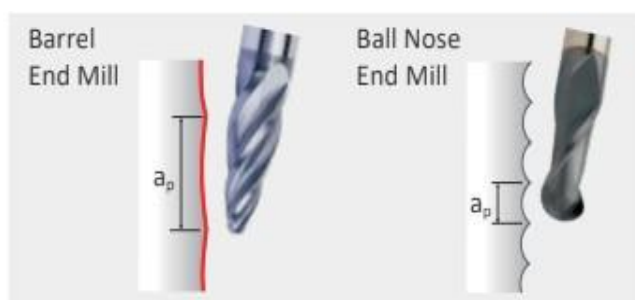
DIES



U-Drills



Replaceable head drills 1.5D to 12D



Barrel End mill



Countersinks



Adjustable angle chamfer cutter



Chamfering Cutters



Face Milling



Square & Deep Shoulder Milling



High Feed Milling



BORING KITS & ASSY		
Part Code	Min	Max
BS 54 KIT RC 8-043	8	43
BS 54 KIT RC 8-100	8	100
BS 54 KIT RC 8-170	8	170
BS 54 KIT RC 8-210	8	210
Boring Ranges Upto 500mm		



Corner Rounding



Slot Milling



T-Slot Milling



Reamers



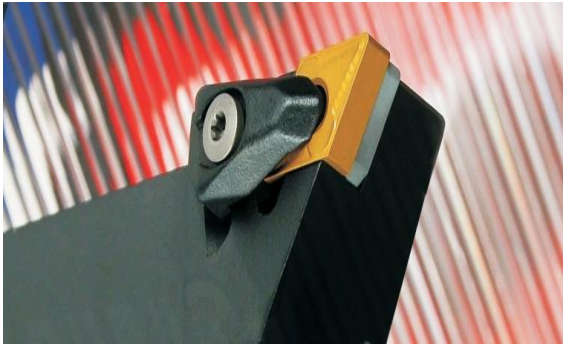
VDI Holders



BAR Peeling



Scarfing



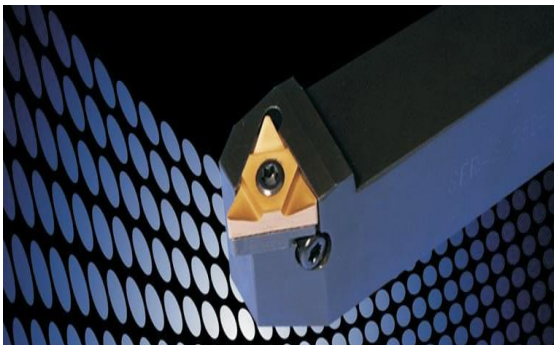
Tools for General Turning

The tools for internal and external turning are a part of Pramet Steel Age products. The tools for turning of railway wheels also belong to heavy turning segment.



Tools for Cutting off & Recessing

The offer of the tools for parting off and grooving is gradually being enlarged. The older generation of indexable cutting inserts, is being replaced by new types for lighter operation of parting off and grooving



Tools for Thread Turning

Pramet offers tools for turning of external and internal threads and indexable cutting inserts with full profile for M, W, RD, API, TR, UN and ACME threads.



SCARFING

High quality surface finish – Due to cutting edge accuracy Inserts for removal of weld bed from outside of tube diameter in a wide range of geometries and radii. Rings for internal diameter scarfing in a wide range of sizes and grades. Tool holders for external scarfing

HSS Jobber Drills



T.S Drills



Carbide Drills



HSS Taps



Centre Drills



Annular Cutter



HSS Endmills & Reamers

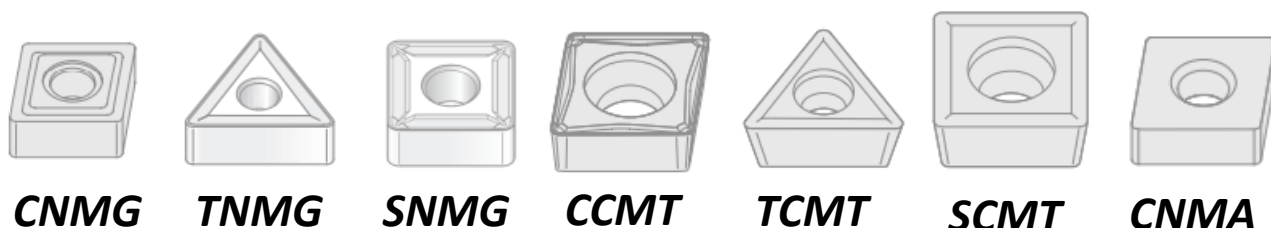


METAL REMOVAL BY WIDIA™

MILLING



TURNING





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*Torx
Screws*



Hydraulic Chuck



3D Taster





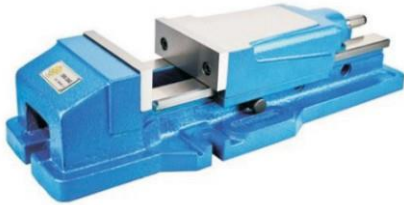
Solid Carbide End Mill Series:

1. Star - For High hardness Steel, HRC 50-70
2. Classic, U-WING - For Mid Hardness steel, HRC 30-50
3. Thunder - For Low Hardness steel, HRC 10-30
4. Winner – For Mold & Die, HRC 30-55
5. X-Star – For Stainless Steel, HRC 35
6. SUS-Wave, S-WING – For Difficult to cut, Alloys of SS, Ni, Ti
7. V-Star - For Difficult to cut SS, Inconel, Steel
8. Alu-Wave – For Aluminium
9. Standard - For general purpose, < HRC 30
10. Copper-Mate - For nonferrous metal
11. Gra-Mate - For graphite
12. Econo Star – For High Hardness, HRC 50-63

Solid Carbide Drill Series:

1. Power Max - For High speed cutting, HRC 50, 3xD -20xD
2. Power - For general purpose, HRC 35
3. SSD - For nonferrous metal
4. New Dolphin General NDPG - For general purpose, 3D,4D,7D

Hydraulic Vise



3 way



Tool Maker Vise



Drill Chuck



Clamping Kit



Electronic & Mechanical Edge Finder



Swivel



C-Frame



Alumina



Twin



Impact Wrench



Torque Wrench



Jaws



CLAMPING EQUIPMENTS

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Clamps



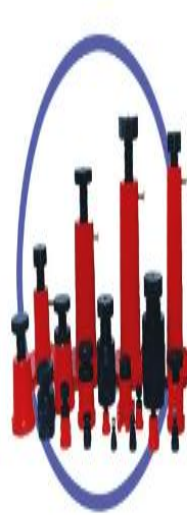
Clamping

Elements



Clamping

Devices



Screw Jacks



Levelling Jacks



Clamping Kits

MAGNETIC DRILLING MACHINE



CUB[®] XL

Ø36mm x 50mm



SUPER XL

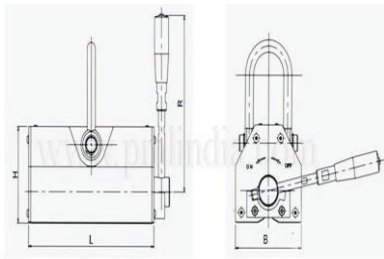
Ø50mm x 50mm



TITAN XL

Ø110mm x 100mm

Factor of Safety is 3.5



Permanent Magnetic Lifters

Model	Lifting Capacity (Kg)	Cylindrical Capacity (Kg)	Operating Temp (°C)	L (mm)	B (mm)	H (mm)	Weight (Kg)
811-0	100	50	80	95	65	75	3
811-2	200	75	80	163	91	90	9
812-0	300	150	80	162	92	91	9
813-0	500	250	80	233	122	118	23
813-2	600	300	80	233	120	120	23
814-0	1000	500	80	260	175	165	50
816-0	2000	1000	80	386	233	202	125
817-0	3000	1500	80	443	226	217	225

MAGNETIC SWEEPERS

Specification	Clearance	Length	Width	Height	Area:	Length of Rods:	Lifting Capacity:	Magnet Strength:
Model FS10	2 "	45 "	5 "	2 "	9.5 "	42 "	1750 gm	700 gs
Model FS11	2 "	45 "	5 "	2 "	21 "	42 "	1 kg	900 gs
Model FS12	2 "	45 "	5 "	2 "	32 "	42 "	1 kg	900 gs



Retreiving Baton



Electro Permanent Magnetic Chuck



- Slipping force is 2.5 - 3 Kg/cm².
- Vertical Lifting Force is 35 - 40 Kg/cm².

Deck Trolley



Tool Trolley



CNC Tool Trolley



Tool Cupboard



Closed Tool Trolley



Chip Trolley



Panel Storage



Shelving



EDM Wire



Moly Wire



Drill Guide



Wire Guide

**All other EDM Spares and Accessories based on your request*

- *Horizontal Lifting Clamp*
- *Vertical Lifting Clamp*
- *Pipe Lifting Clamp*

- *Multi Plate Lifting Clamp*
- *Multi Purpose Lifting Clamp*
- *Dished End Lifting Clamp*



Eye Bolt



Swivel Bolt



Lifting Shackle



Lifting Belt



Chain Slings & Hooks



Accessories



SPECIFICATIONS : YT-19

PRODUCT NAME	WIRECUT MACHINE FILTER
FILTER CODE NO.	YT-19 / SW42
DIMENSIONS	OD : Ø340 X H : Ø300 X ID : Ø46 MM
CONNECTION SYSTEM	WITHOUT NIPPLE CONNECTION
FLOW DIRECTION	INSIDE TO OUTSIDE
FILTER FINENESS	5 MICRONS
FILTER MEDIUM	GERMAN H&V PAPER
FILTER SURFACE AREA	11.50 m ²
WEIGHT	6.30 KGS
PACKING	2 FILTERS PER CARTON

SPECIFICATIONS : YT-36Z-20

PRODUCT NAME	WIRECUT MACHINE FILTER
FILTER CODE NO.	YT-36Z-20 / 340 FK
DIMENSIONS	OD : Ø340 X H : Ø300 MM
CONNECTION SYSTEM	CENTRAL NIPPLE : Ø20MM OR G 3/4
FLOW DIRECTION	INSIDE TO OUTSIDE
FILTER FINENESS	5 MICRONS
FILTER MEDIUM	GERMAN H&V PAPER
FILTER SURFACE AREA	12.10 m ²
WEIGHT	6.60 KGS
PACKING	2 FILTERS PER CARTON



SPECIFICATIONS : YT-36Z-31

PRODUCT NAME	WIRECUT MACHINE FILTER
FILTER CODE NO.	YT-36Z-31 / 340 FK-1
DIMENSIONS	OD : Ø340 X H : Ø300 MM
CONNECTION SYSTEM	CENTRAL NIPPLE : Ø31 MM
FLOW DIRECTION	INSIDE TO OUTSIDE
FILTER FINENESS	5 MICRONS
FILTER MEDIUM	GERMAN H&V PAPER
FILTER SURFACE AREA	12.10 m ²
WEIGHT	6.60 KGS
PACKING	2 FILTERS PER CARTON



SPECIFICATIONS : YT- 38

PRODUCT NAME	WIRECUT MACHINE FILTER
FILTER CODE NO.	YT-38 / SW 40
DIMENSIONS	OD : Ø300 X H : Ø500 X ID : Ø59 MM
CONNECTION SYSTEM	SIDE NIPPLE : Ø20 MM
FLOW DIRECTION	DUAL FLOW
FILTER FINENESS	5 MICRONS
FILTER MEDIUM	GERMAN H&V PAPER
FILTER SURFACE AREA	13.30 m ²
WEIGHT	6.80 KGS
PACKING	2 FILTERS PER CARTON





SPECIFICATIONS : RESIN

IONIC FORM	H+ / OH-
APPEARANCE	BROWN YELLOW, SPHERICAL
WATER CONTENT	52-57
WET REAL DENSITY	1.13 g/ml
OPERATING TEMP	60+ DEGREE
STORAGE TEMP	0-40 DEGREE
UNIT	LITRE

COATED EDM WIRE TECHNICAL DATA SHEET

EDM WIRE TYPE	HI-CUT FINE (HALF HARD)
DIAMETER	0.25mm
COLOUR	SILVER
TENSILE STRENGTH	650 - 700 N/mm ²
CORE MATERIAL	CuZn40
ELONGATION	>7 - 8%
COATING MATERIAL	ZINC
WINDING	AUTOMATIC
AESTHETIC PROPERTY	WIRE SURFACE SMOOTH & DUST FREE /PARAFFIN



RUST REMOVER

PACKAGING SIZE	5L
PACKAGING TYPE	Can
MODEL NO	K-200
WATER CONCENTRATE	1 200 (1/2%)
FORM	Liquid
DENSITY	1.12 15 degree C
VISCOSITY	3.4 mPa.s 15 degree C
Ph	Less than 1

Moly Wire

BRAND NAME	ZGCC
MODEL NUMBER	ZGCC Molybdenum wire
MOLY WIRE	For High Speed EDM Wire Cut
WEIGHT	620 gm
PACKING	2400M/Spool
DIAMETER	0.18mm

JR-3A Gel Wire Cutting Machine Concentrated Ointment





EDM SPARES

EDM WIRE GUIDE
EDM DRILL GUIDE
WATER NOZZLES
CARBIDE POWER FEED CONTACTS
CERAMIC GUIDE
FILTER FOR EDM DRILLING MACHINE
EDM DRILL CHUCK
BEARING, ROLLER
CLAMPING KITS
SODICK CABLES

PLAIN BRASS EDM WIRE TECHNICAL DATA SHEET

EDM WIRE TYPE	HI-CUT PRIME (SOFT)	HI-CUT PRIME (HALF HARD)	HI-CUT PRIME (HARD)
DIAMETER	0.25 mm	0.25 mm	0.25 mm
COLOUR	YELLOW	YELLOW	YELLOW
TENSILE STRENGTH	500 - 550 N/mm ²	700 - 750 N/mm ²	950 - 980 N/mm ²
CORE MATERIAL	CuZn 40	CuZn 40	CuZn 40
ELONGATION	> 15%	< 8%	< 2%
WINDING	AUTOMATIC	AUTOMATIC	AUTOMATIC
STRAIGHTNESS	N.A.	WORK FOR AWT	WORK FOR AWT
AESTHETIC PROPERTY	WIRE SURFACE SMOOTH & DUST FREE / PARAFFIN FREE	WIRE SURFACE SMOOTH & DUST FREE / PARAFFIN FREE	WIRE SURFACE SMOOTH & DUST FREE / PARAFFIN FREE

WE ALSO DEALS WITH DORMER&PRAMET, ZCC-CT, WIDIA MR & HGT

Milling			
Turning			
Drilling			
Tapping			
Tool Holding			
Accessories			

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New No.9, Old No.:6,7,8, 1st Main Road, Balaji Nagar, Ekkattur, Chennai - 600 032.

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