

Leadspoll Engineering Solutions

Engineering excellence

Authorized Distributors :-



ABOUT US :

Leadspool Engineering Solutions is an Authorized Distributor for CNC Carbide Cutting Tools and Productive care products. We represent for IMC Group and distribute product of **Duracarb (India), Tectyl (Korea), Hoffmann (Germany), CPT (Germany), Brancs (India), LMT Tools (Germany) and Pferd (Germany)** for metal working industries. Incepted in Sep-2012, we have gained impetus as one of the professionally managed organization, offering high quality tools that improve productivity besides adding value through functionality, smooth operations, low maintenance and durability.

WHY US?

- ❑ Competent and experienced workforce
- ❑ Quality Products
- ❑ Customer centric approaches
- ❑ Timely deliveries



IMC Group Company - A Division of Taegu Tec India P.Ltd

Products:

- Turning Tools
- Milling Tools
- Grooving Tools
- U drills
- Solid carbide tools



METAL WORKING FLUID

- ✓ Eco friendly cutting oils
- ✓ Cutting oils (Coolant Oil)
- ✓ Drawing & Forming oils
- ✓ Heat treating oils
- ✓ Rolling oils
- ✓ Rust Preventives
- ✓ Metal Cleaners
- ✓ Neat Cutting oil

INDUSTRIAL LUBRICANTS OIL

- ✓ Lubricant oils
- ✓ Hydraulic Oils
- ✓ Spindle oils
- ✓ Machine Oils
- ✓ Compressor Oils
- ✓ Vacuum pump oil
- ✓ Gear oils
- ✓ Turbine Oil
- ✓ Slide Ways oils
- ✓ Transmission oil for farm tractors

**Business
Scope**

GREASE

- ✓ General Grease
- ✓ Special Grease
- ✓ Bio Degradable grease
- ✓ Eco friendly grease
- ✓ Multi purpose Grease

OTHERS CHEMICALS

- ✓ Rust preventive **Wax**
- ✓ Furan resin
- ✓ Water Soluble **Paint**
- ✓ Special Foundry Resin

TECTYL COOL 296AM

Water soluble cutting oil



TECTYL COOL 296AM is mineral based water soluble cutting oil which is especially designed for **Aluminum** machining with unique additive package that provides Aluminum anti-corrosion

Applications

- ✓ Material: Aluminum and Alloys
- ✓ Machining: General Machining, Grinding
- ✓ Recommended Concentrations for use:
 - General Machining : Brix 4~7 % -
 - Heavy duty : Brix 8 ~ 12% -
 - Grinding : Brix 3 ~ 5%

TECTYL COOL 260B

HEAVY-DUTY MACHINING AND GRINDING FLUID FOR USE WITH ALL METALS INCLUDING AUTOMOTIVE GRADE CAST ALUMINUMS



- ✓ TECTYL COOL 260B is suitable for mid to heavy-duty cutting with its excellent lubricity.
- ✓ TECTYL COOL 260B has no chloride paraffin and is environment friendly that best avoided harmful substance to human body with minimized use of preservatives.
- ✓ TECTYL COOL 260B has good anti-foaming and tramp oil rejection to keep equipment's clean.

Applications

Material

- ✓ Steel: carbon steels, alloy steels
- ✓ Cast iron: Cast iron, nodular iron, Gray iron
- ✓ Stainless steel: 300 & 400 series Stainless steel
- ✓ Aluminum: automotive grade cast aluminium's

TECTYL COOL 360

Water soluble cutting oil



- ✓ TECTYL COOL 360 is semi-synthetic type water soluble cutting oil which is developed for ferrous metal
- ✓ TECTYL COOL 360 provides required property like flushing ability, low-foaming as well as high lubrication that enable to handle heavy duty applications on ferrous metals with unique additives package

Applications

Material: -

- ✓ Steel: Carbon steel, alloy steel, 300&400 series Stainless steel
- ✓ Cast iron: Cast iron, nodular iron, gray iron
- ✓ Machining: Machining, Grinding
- ✓ Recommended Concentrations for use: -

1. General Machining : Brix 4~7 %
2. Heavy duty : Brix 8 ~ 12%
3. Grinding : Brix 3 ~ 5%

TECTYL COOL 273

Metal Cutting/Grinding Fluid with Good Lubrication, Anti-septicity, and Tramp Oil Rejection



- ✓ TECTYL COOL 273 provides excellent lubricity, so it can be used at all heavy duty machining operations on steel, cast iron and mainly aluminum alloys.
- ✓ TECTYL COOL 273 controls outbreak of bacteria and fungi, while its superior pH maintenance prevents multiplication of microorganisms and rust.

Applications

Material: -

- ✓ Steel : carbon steels, alloy steels
- ✓ Cast iron : Cast iron, nodular iron, gray iron
- ✓ Stainless steel : 300 & 400 series Stainless steel
- ✓ Aluminium : automotive grade cast aluminums

Tectyl Cool 292

Water Soluble Cutting Fluids

Tectyl[®]



- ✓ Tectyl Cool 292 is good for middle and heavy duty cutting with its good lubrication for longer tool life and improved surface illumination of processed parts.
- ✓ In Addition, Tectyl Cool 292 exhibits excellent biostability, rust protection and de-foaming property.
- ✓ Its good tramp oil rejection allows to keeping the workshop clean and the longer coolant life.

Applications

Material: -

- ✓ Steel : carbon steels, alloy steels
- ✓ Cast iron : Cast iron, nodular iron, gray iron
- ✓ Stainless steel : 300 & 400 series Stainless steel
- ✓ Aluminum : automotive grade cast aluminums



Tectyl™ 506 Rust Preventive (wax Base Oil)-Anti-rust wax



Premium solvent based corrosion preventive compound.



- ✓ TECTYL 506 is a solvent cutback, wax base, general purpose, corrosion preventive compound suitable for the widest range of application requirements for vehicle rustproofing, protection of machinery and parts in storage.
- ✓ TECTYL 506 protects parts in indoor and outdoor storage as well as domestic and international shipments.
- ✓ TECTYL 506 cures to a dark amber colored, waxy, translucent, firm film.



Applications Surface preparation:

- ✓ The maximum performance of TECTYL 506 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale and a substrate temperature of 10-35 °C at the time of product application.

Application:

- ✓ TECTYL 506 is formulated to be used as supplied. Due to its composition TECTYL 506 can be subject to postproduction viscosity changes and/or wax sedimentation.
- ✓ Always ensure homogeneous consistency by agitation before use. If the product thickens due to cold storage or loss of solvent during use, thinning with Valvoline 150 is possible to get the desired consistency.
- ✓ Incorrect thinning will affect film build, dry time and potentially product performance. Tectyl 506 can be applied by low pressure air spray or brush

Creation for the Green Environment

Key customers





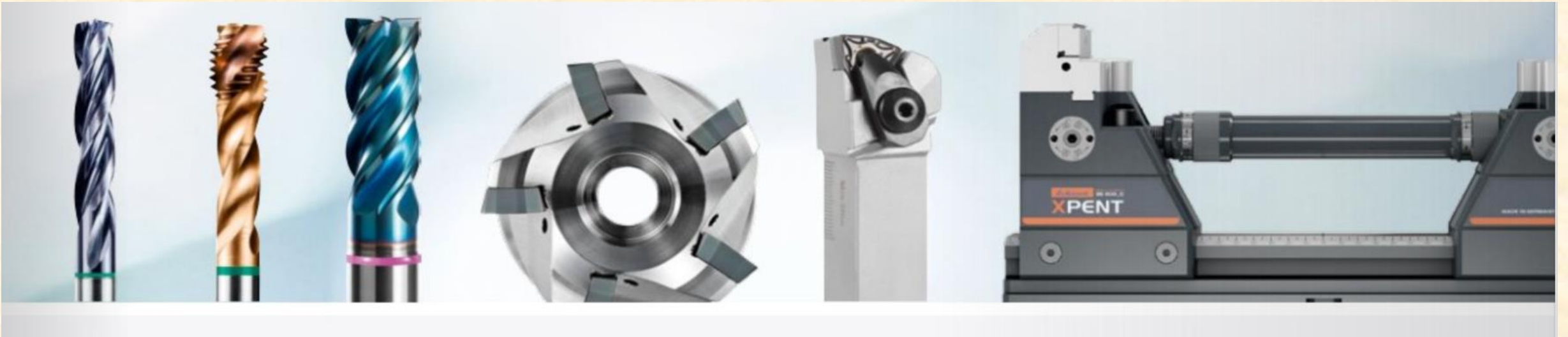
Hoffmann group –Europe's leading system partner for quality tools

Machining /Clamping Technology

Mono machining: HSS drills, Solid carbide drills, taps, dies, countersinks, reamers, saws, HSS milling cutters, Solid carbide mills

Modular machining : Indexable Insert Milling, Drilling and turning, Knurling tools

Clamping tools : Arbors, lathe chucks , lathe centers , tapping heads, drill chuck , devices ,Vices , clamping elements ,magnetic clamping technology, zero clamping technology



Hand Tools & Metrology

Measuring Tools: Calipers , Micrometers , internal micrometers, dials , height gauges ,stands , rules , Scales ,voltage testers, Gauges, Gauge blocks, optical measuring tools, Microscopes , roughness measuring devices

Grinding and cutting : Files Burrs , Grinding media , Grinding discs , and cutting discs, finish grinding and polishing tools, technical brushes torques tools, screw drivers, bits tool selection, tools boxes.

Fastening tools for crews : Spanners, Sockets, torque tools , screw drivers , bits , tool selections, tool boxes.

Gripping ,cutting and striking tools : Pliers , cable processing, bolt cutters, hammers, shears ,riveting tools

Hand and assembly tools : installation tools, knives , blades, clamps

Electronic tools and workshop supplies : Electrical and Pneumatic tools, lamps and cables, adhesive technology, technical sprays, marking, lifting, lifting gears, cleaning devices..

... and many more.



WORKSTATIONS AND STORAGE

Roller cabinets ,small parts storage transport devise, modular arrangements systems, workstations, workbenches, tool cabinets, cabinets, seating and ladders, vices, CNC tools storage, Tool24 goods issuing systems, environmental technology, storage technology, office organization, Spatial systems, environmental technology storage technology, office organization



PERSONAL PROTECTIVE EQUIPMENT

Eye protection, hearing protection ,head and face protection, respiratory protection, hand protection, work clothing, protective work wear, foot protection, fall protection, skin protection and first aid..



HAINBUCH Manual stationary chuck MANOK

32 9810 – Stationary chuck of solid cast. High clamping force, precision and stiffness.

32 9830 – Changeover device for manual clamping head change.

Suitable for:

32 9835 – Clamping head for boring out No. 329916 / 9926 / 9936 / 9946 / 9976.

Application:

32 9810/9830 – Versatile application, e.g. machining centres, measuring machines, pillar drills.

Supplied with:

32 9810 – Including 1 chuck key.

Note:

32 9810 Size 80 – For dimensions, see the eShop.

32 9810/9830 – For suitable clamping heads see No. 329910 - 329936.

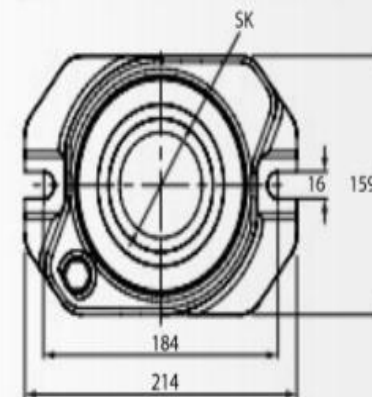
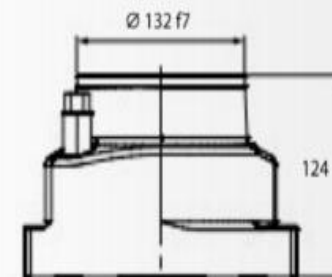
Clamping head SK		42	52	65	80	
33H	32 9810	Stationary chuck MANOK				
		(XXX)	(XXX)	(XXX)	(XXX)	
33H	32 9830	Manual changeover device for MANOK				
		(XXX)	(XXX)	(XXX)	(XXX)	
33H	32 9835	Twist-out ring for clamping heads				
		(XXX)	(XXX)	(XXX)	(XXX)	
Weight (32 9810)		kg	15	14	13	23



Ground f7 for front stop option.



32 9835



32 9830

The zero point clamping system for a wide range of applications.



- User-friendly even for heavy and asymmetrical components.

- Good process reliability.
- No tilting if not level.



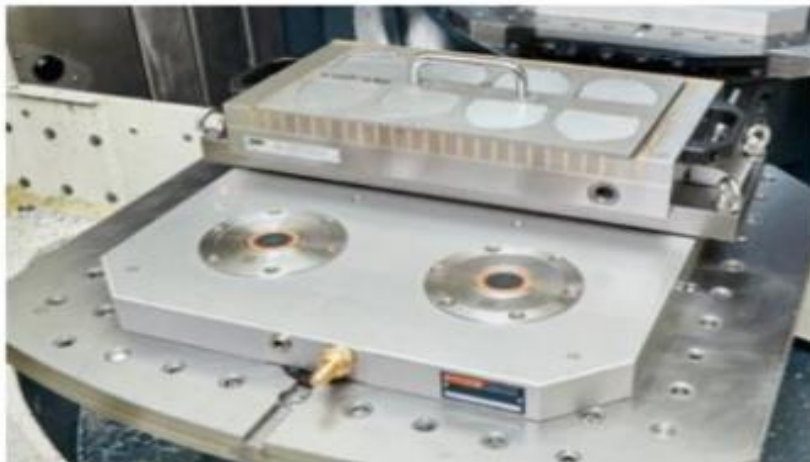
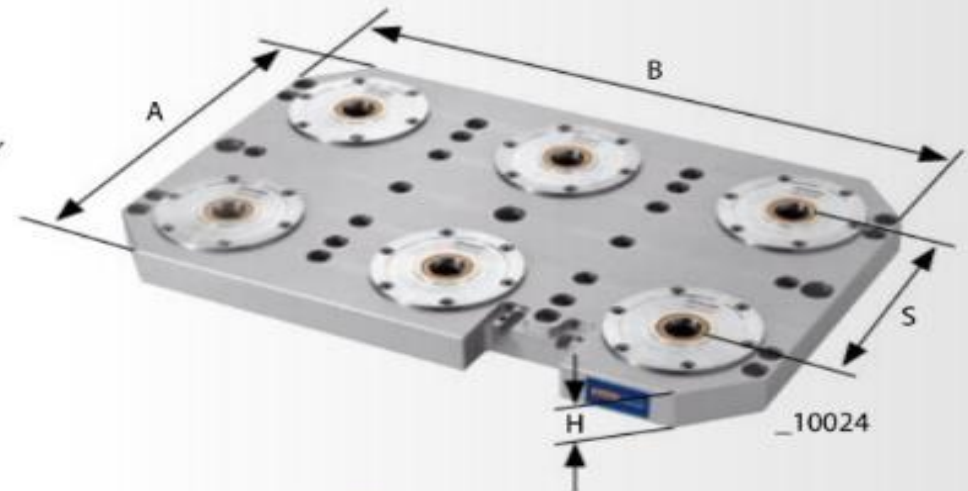
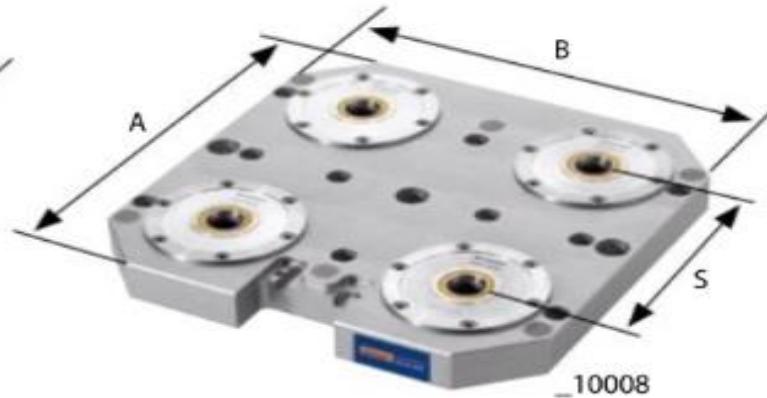
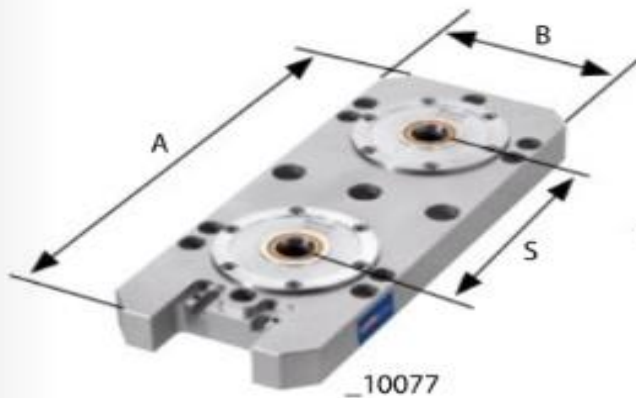
All bores for T-slot pitches of **63, 100, 125 mm.**

Centre bore $\varnothing 25$ H7 to receive a centring set.

Material: **Base plate** of high-tensile aluminium, surface treated.
All components of the clamping pot of stainless or corrosion-resistant steel.

Application: For vertical/horizontal machines.

Optional extras: Clamping stud No. 360025,
Connection block No. 360017 size 12808 / 12805.



Electro permanent magnet clamping plates

■ Innovative and patented monoblock design for maximum stiffness and reliability.

■ **Quick attachment of the electrical connections.**

38 2000 – ■ Threaded sockets of high-tensile material in each pole.

■ Sturdy due to monoblock design and use of integral pole plates.

Advantage:

■ Vibration-free machining protects the tool and the machine.

■ Five-axis machining without interference contours.

■ Full exploitation of the machine travel.

■ Significant reduction in set-up times.

■ Unaffected by power failures.

■ Quick and precise plane-parallel milling.

■ Uniform clamping force over the entire clamping area.

■ Low installed height

■ Very high holding forces

■ Quick and easy positioning of workpieces.

38 3050 – ■ Patented "All Steel" surface in monolithic technology.

■ Solid block structure with no individual mechanical components (gives greater stability and strength).

■ Completely enclosed single-component surface (no liquids can penetrate).

■ Lightweight.

Application: For use in mould-making, tool-making and machine tool building.

Supplied with: Including controller XT200 for controlling a magnetic clamping plate.

38 2000 Size 406UP-MAXX – Supplied with lifting magnet Maxx 250.

Optional extras:

38 2000 – Pole extension No. 382010.

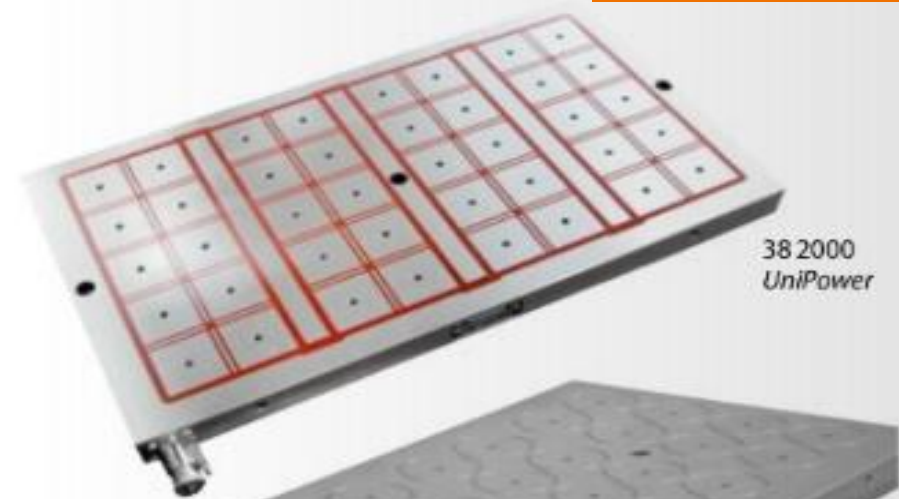
38 3050 – Pole extension No. 383510.

Note:

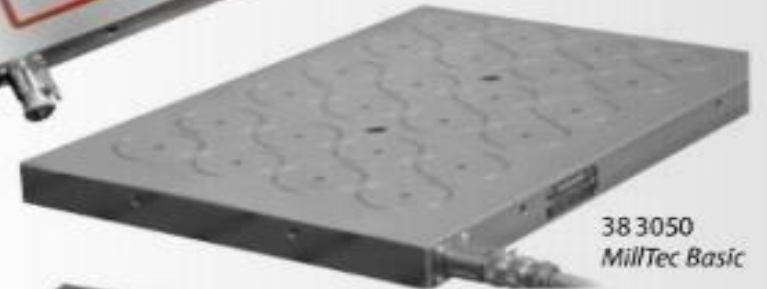
Installation package for actuating multiple electro-permanent magnetic clamping plates available on request!

The power cable is supplied without any connection plug.

Mains connection 400 V / 50 Hz.



38 2000
UniPower



38 3050
MillTec Basic

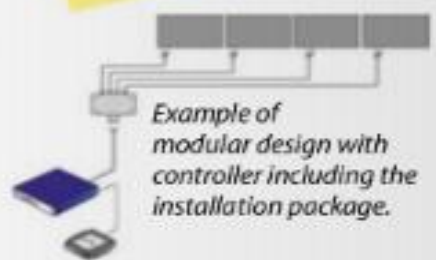


All sizes
including controls
400V / 50Hz



maximum safe working load
(flat) 250 kg

Size 406UP-MaxX
including
MaxX 250
lifting magnet



Example of
modular design with
controller including the
installation package.



■ Torque wrenches



■ Torque screwdrivers





Products

- Files
- Milling Tools
- Mounted Points
- Fine grinding and Polishing tools
- Diamond and CBN tools
- Cut-off wheels for stationary applications
- Cut-off wheels flap discs and grinding wheels
- Industrial power brushes
- Tool drives

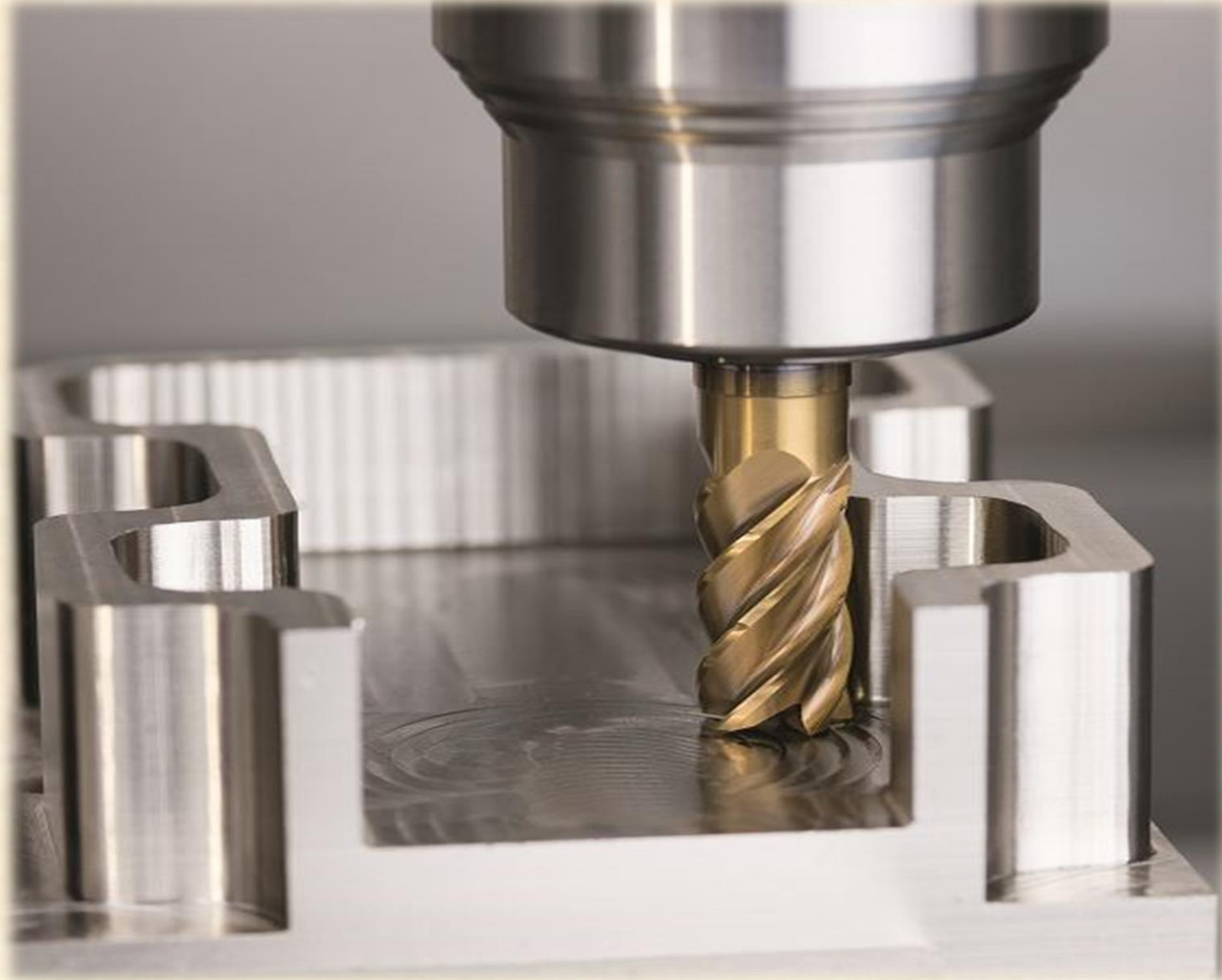
www.pferd.com





Brancs India Tools

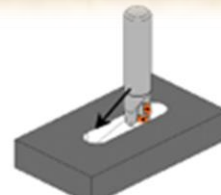
- Solid carbide endmills
- Solid Carbide Drills
- Solid carbide Special length drill
- Solid carbide Special Reamer
- Solid carbide Thread milling cutter
- Solid carbide Special Drill Reamer
- Router tools
- Dagger Drill
- Solid carbide step reamer
- Solid carbide T Slot cutter



Shoulder milling



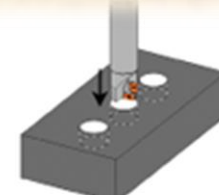
Grooving



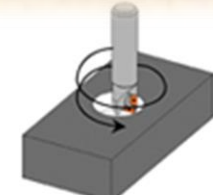
Ramping



Pocket milling



Drilling



Helical milling

Solid carbide endmills

- ✓ Brans endmill made from VHM-Ultra ,an ultra fine Grain (0.5 μm) for high performance milling applications.
- ✓ 35- 38° unequal flute helix ,reduce the harmonic build up, Resulting in smooth chatter-free milling in various types of techniques , increase the productivity.
- ✓ Range: Dia 1mm to 30mm (all materials)

4 flute endmill



Ball Nose Endmill



Solid carbide Drills

- ✓ Suitable for machining of grey and ductile cast iron
HRC 0-30 , HRC 30-45 , HRC 45 and above

Solid Carbide Step Drill



Solid carbide Reamer

- ✓ Post grind treatment of cutting edge engineered Specially for the relevant material application

Solid Carbide Special Reamer



Solid carbide step reamer



Solid carbide Dagger Drill



Router tools



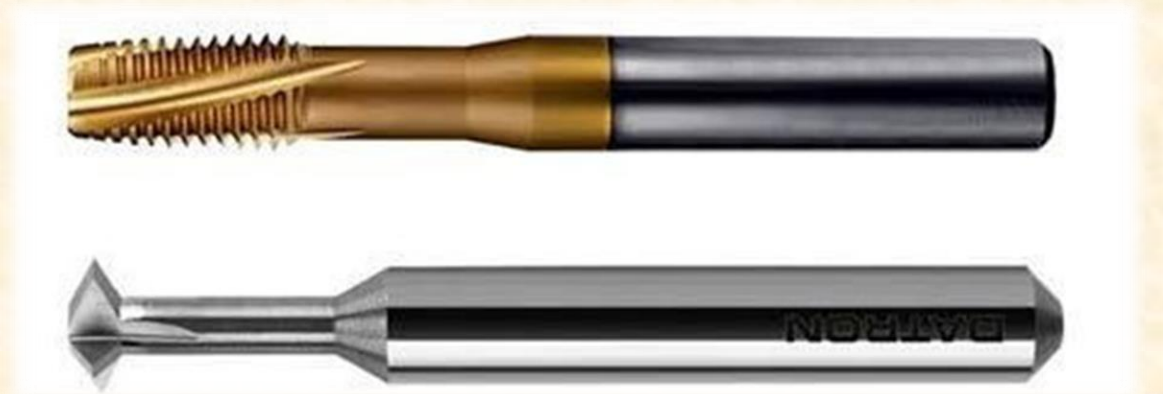
Solid carbide Special Drill Reamer



Solid carbide Thread milling

Specially developed carbide for extra toughness.
Optimized hard coating specific geometry for
hardened Steel

Soild carbide thread milling



PRODUCTS



SPECIAL TOOLS

Our special tool segment offers all technically possible solutions for the wishes of our customers. Due to the short response time and short internal routes, we can ensure fast production and delivery of special tools. We guarantee a 100% function of the tool.

TINY TOOLS

Our Tiny Tools are ideal for medical and small component manufacturing. All boring bars have through coolant along the shaft, therefore the coolant hits directly the cutting edge. This ensures a soft cut and chips are getting removed as well.

THREAD TURNING

We guarantee constant thread turning with precise geometry and surface quality at the highest level. With our innovative coatings we can handle materials up to 62HRc. Our inserts are 100% profile ground.

THREAD MILLING

In the field of thread milling we offer a large product portfolio.

Whether miniature, spiral or vertical thread milling cutters, for all applications we have the right solution.

GROOVING INSERTS

Our grooving inserts have three precision ground cutting edges.

The same CPT holder can be used for grooving and thread turning if the anvil is changed to 0°. Therefore, the tool costs are optimized.



HI-POWER MILLING CHUCK (HPMC)

- ✓ Very high clamping force leads to increased productivity and tool life
- ✓ Roller bearing design provides high friction resistance
- ✓ High run out accuracy within 5 micron @ 3D. Less wear on cutting edge leads to significant increase in tool life
- ✓ Excellent finish on machined surface due to less vibration
- ✓ Protected with anti-corrosive coating
- ✓ Perfect seal mechanism of clamping nut, prevents dust and coolant entry, extending the life of the holder



bilz

SYNCHRO TAPPING CHUCK (SCK)

- Tapping, roll forming on machines with synchronized feed (speed / feed synchronization, also named Rigid tapping))
 - Used on machining centers, CNC-turning and special purpose machines with synchronized feed for the tapping operation
 - Technology with minimum compensation on tension / compression is +/- 0.15mm (for size 1 & 2)
-
- ✓ Increased tap life
 - ✓ Better thread quality
 - ✓ Reduced risk of tap breakage
 - ✓ Less number of tools required
 - ✓ Low spindle maintenance
 - ✓ No downtime



SHRINK-FIT MACHINE & CHUCKS



www.bilzindia.com

Clamping range SC: ø 3mm - 50mm
Clamping range HSS: ø 6mm - 50mm



bilz

CNC TOOL HOLDERS

bilz

- ✓ Comprehensive range of 1100 line items
- ✓ BT (JIS B 6339 / MAS 403), SK (DIN 69871), HSK (DIN 69893) tapers
- ✓ All tool holders have taper angle accuracy as per AT3 class
- ✓ TIR of front end w.r.t taper controlled within 3 microns
- ✓ All holders are dynamically balanced and also can be fine balanced
- ✓ Form AD/B standard for all holders
- ✓ Data chip hole as standard for all HSK & SK taper holders
- ✓ Bore tolerance H4 as standard for all side lock holders



www.bilzindia.com



LMT Tools is the leading specialist in the field of precision **tool** technology, delivering **tool** solutions worldwide for the machining of materials from steel to composites. Be it industry production, **tool** management or **tool** reconditioning, **LMT Tools** is your technology partner.

LMT –Fette Thread rolling



LMT – Ball nose Milling



LMT – Fette –Taps



LMT – Fette – Milling



Leadspool Engineering Solutions- Vertical Tool Cabinet

optimize your space

CNC Tool Storage



Vertical Tool Cabinet





Your partner in complete machining Solutions



Leadspoll Engineering Solutions



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