

# Tooling solutions for Automotive Industry



NEW  
AUTOMOTIVE

The central image features a wireframe car model held by two hands. Surrounding it are several data visualization panels:

- Top Left:** A dashboard with multiple gauges and percentage indicators (76%, 57%, 28%, 42%, 23%).
- Top Center:** A wireframe car model with a central hexagonal UI element.
- Top Right:** A speedometer and other gauges with percentage indicators.
- Bottom Left:** A wireframe car model with a central hexagonal UI element.
- Bottom Center:** A dashboard with percentage indicators and icons for security, connectivity, and data management.
- Bottom Right:** A wireframe car model with a central hexagonal UI element.

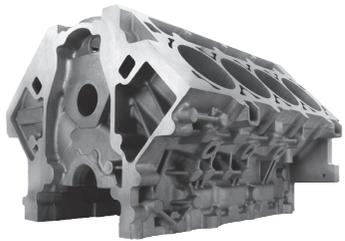


Precision tools to break the **challenging barriers**

High quality precision tools for the challenges of the automotive industry.

We provide optimized machining solutions for the specific requirements of our customers demands. Palbit aims to provide the best solutions to achieve your goals with innovation, flexibility, quality and productivity.

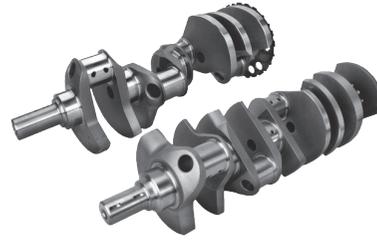
MAIN WORKPIECE PARTS:



Cylinder Block



Cylinder Head



Crankshaft



Pistons



Crankshaft Bearing and Housing



Camshaft



CV Joint



Brake Calliper



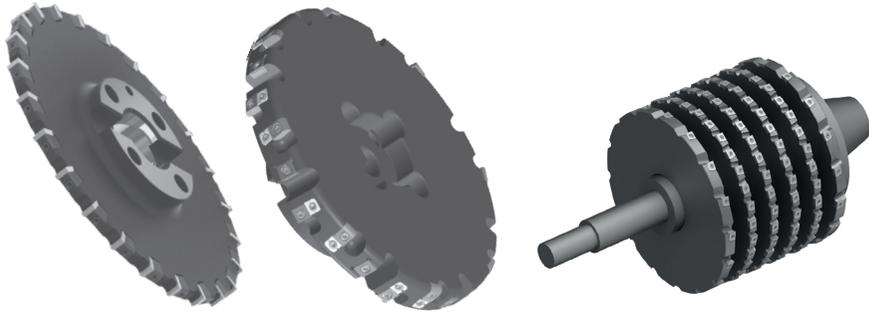
Transmission Case



Oil Pump

Special tailor-made tooling adapted to our customers needs for higher productivity and efficiency. More effective solutions that enhance your production by lower costs per component produced, savings due to reduced inventories, as well as faster and more effective machining.

**SPECIAL CUTTING TOOLS**



Tailor made cutters for specific projects

**TAILOR MADE ENDMILLS**



Solution for specific operations

**PCD ENDMILLS** 



Standard and tailor-made endmills  
Great for finishing

**PCBN SPECIAL TOOLS**



For great finishing and high productivity

**PCD GROOVING BLADES**



Tailor-made grooving blades for aluminium

**STEP DRILLS**



Tailor-made solutions  
Solid Carbide or indexable

Standard milling solutions. A wide set of products that can be used for almost every challenge. From face milling to profiling, we provide a complete range of excellent products.

PLUS 28088



Face milling solution with great accessibility

PLUS 90945 & 91245



Double sided insert  
Excellent Surface finishing  
Up to 16 edges per insert

TGPLUS 90390



Excellent insert rigidity and Improved machining stability

HARDMILL 72090 **N**



PCD tipped inserts  
Excellent for aluminium

ALUPRO 76090 **N**



Multi functional milling operations  
for aluminium  
High speed conditions with high  
metal removal rate

PCD ENDMILLS **N**



Standard and tailor-made endmills  
Great for finishing

INTEG



Wide range of solid carbide  
endmills  
Tailor-made endmills for special  
solutions

Palbit brings to the market a complete set of cutting tools for multiple machining operations to increase your business performance.

## JET DRILLS



Wide range of drilling solutions

## ISO TURNING PM-PHG



First choice for a majority of steel turning applications, roughing to finishing, continuous and interrupted cuts

## ISO TURNING **N**



Great performance for aluminium turning  
Excellent surface finishing

## SOLID CARBIDE DRILLS



Boosted drilling stability

## ISO TURNING PCBN



PCBN inserts excel in the finishing and semi-finishing processes of hardened steels as well as hard cast iron and heat-resistant super alloys

## GROOVING PLUS



Wide range grooving solutions

# CYLINDER BLOCK | Bloco do motor | Bloque del motor



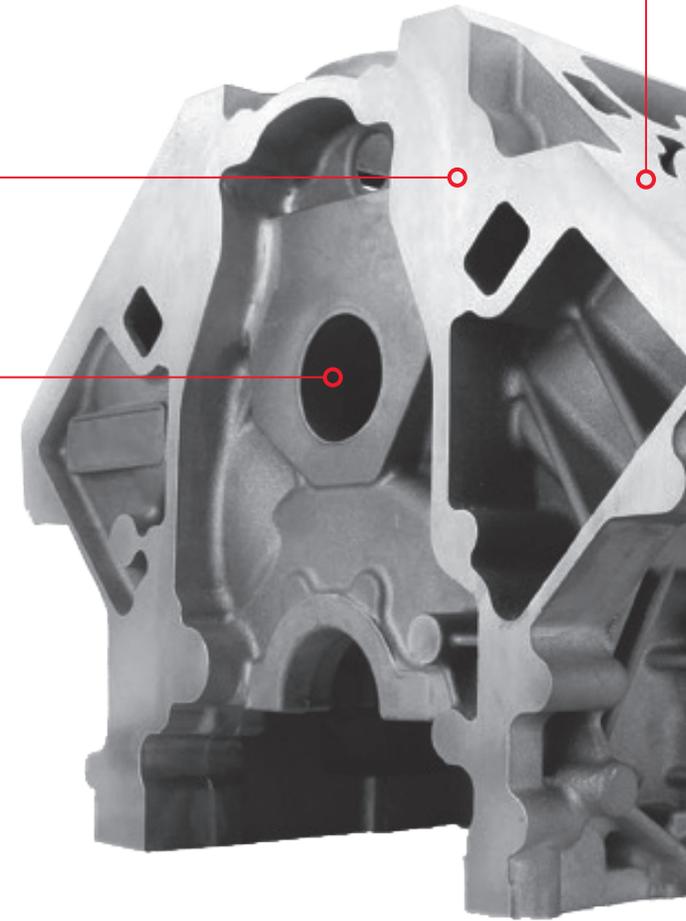
PLUS 90945

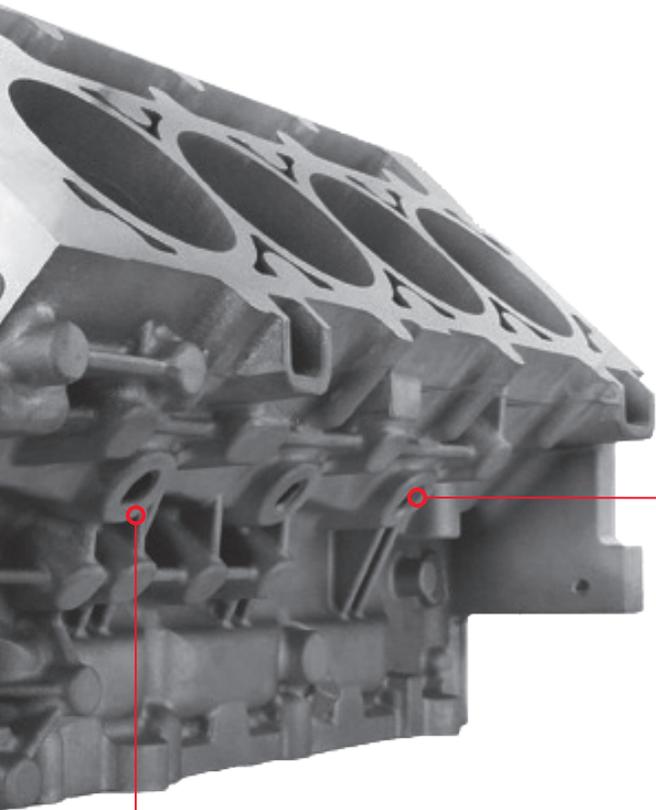


HARDMILL 72090 **N**

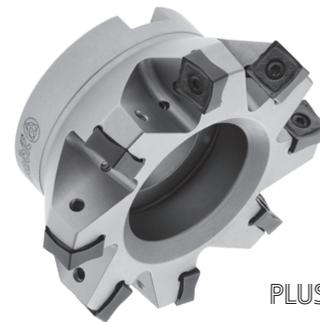


PCD ENDMILLS **N**





JET DRILLS



PLUS 28088

# CYLINDER HEAD | Cabeça do motor | Cabeza del motor



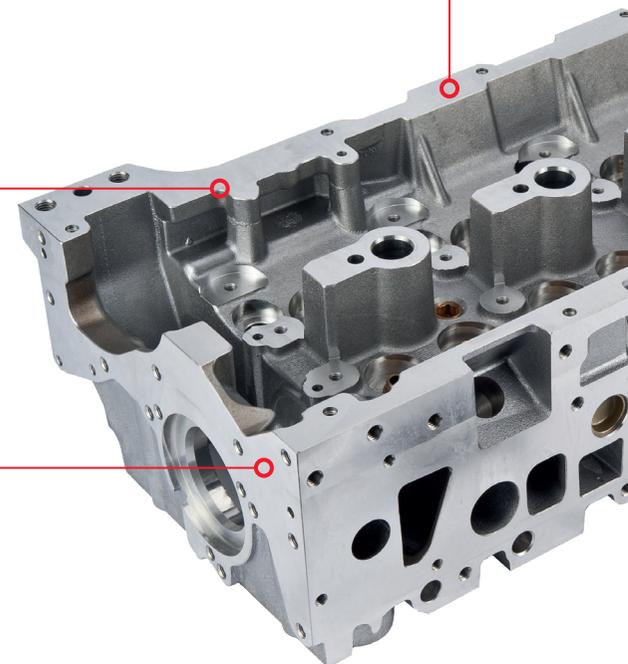
PLUS 91245

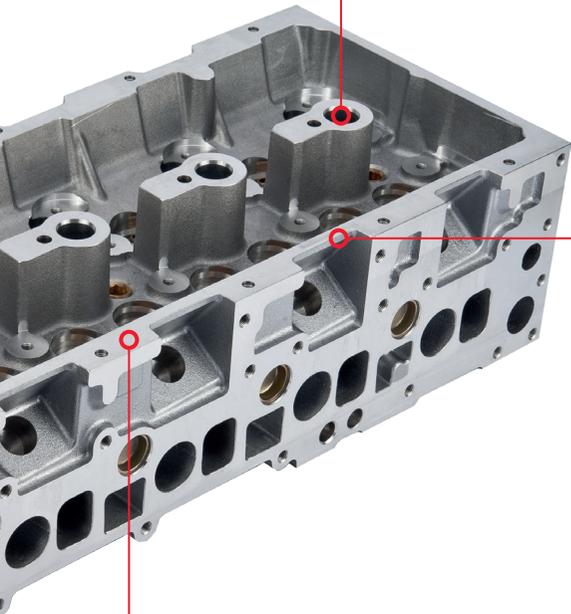


PCD ENDMILLS **N**



HARDMILL 72090 **N**





SOLID CARBIDE DRILLS



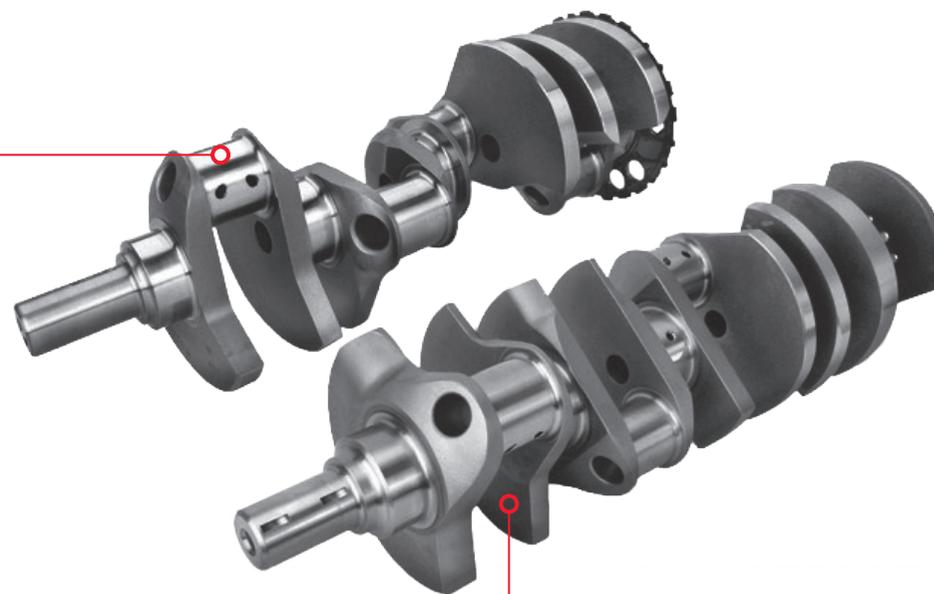
ALUPRO 76090



INTEG



ISO TURNING PM-PHG



SPECIAL DISC CUTTERS

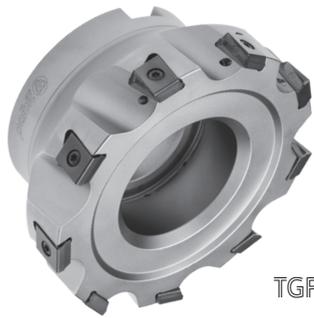


ISO PCD TURNING **N**

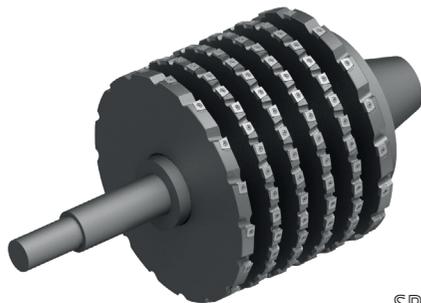
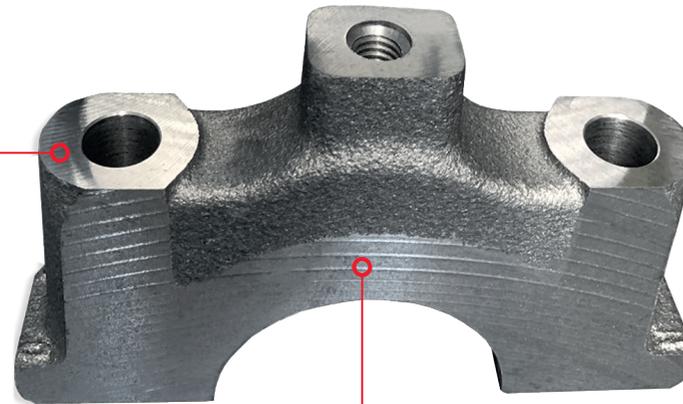


SOLID CARBIDE DRILLS





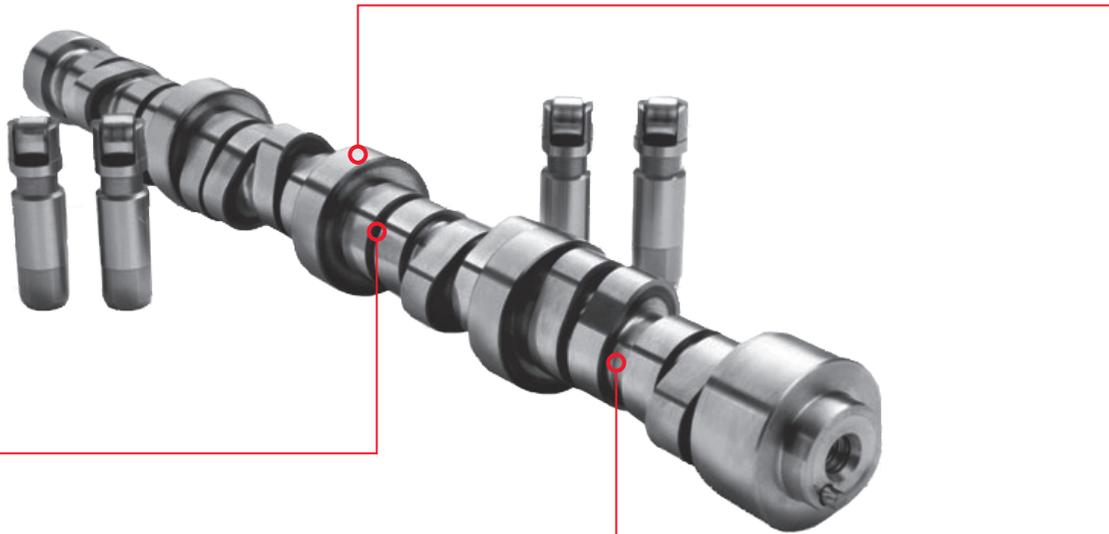
TGPLUS 90390



SPECIAL CUTTING TOOLS



TAILOR-MADE ENDMILLS



ISO TURNING PM-PHG



GROOVING PLUS



SPECIAL DISC CUTTER



PCBN SPECIAL TOOLS

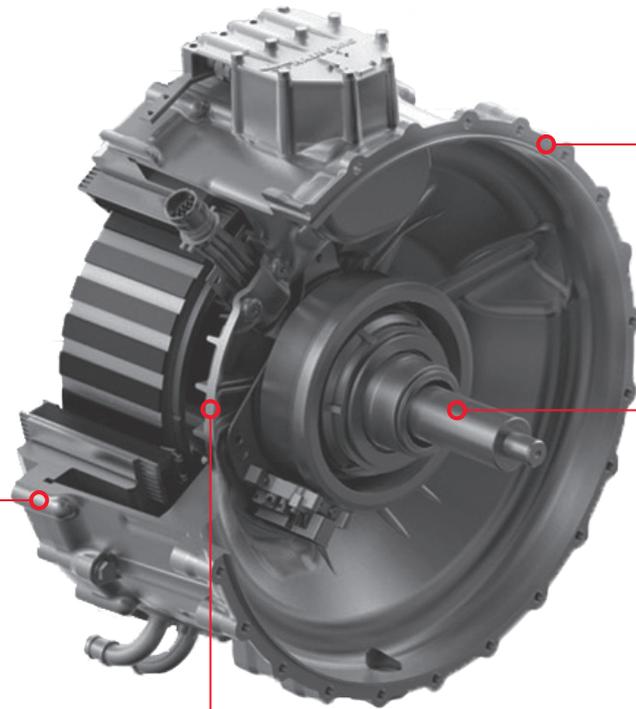


SPECIAL DISC CUTTER



STEP DRILLS

# OUTPUT SHAFT AND TRANSMISSION CASE | Eixo e caixa de transmissão | Eje y caja de transmisión



HARDMILL 72090 **N**



SOLID CARBIDE DRILLS



INTEG

ISO TURNING PCBN





HARDMILL 72090 **N**



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