D'ANDREA®
THE ART OF PRECISION

D'ANDREA 75TH ANNIVERSARY

COMPANY PROFILE

D'ANDREA®
THE ART OF PRECISION

PRECISION THAT EVOLVES INNOVATION THAT LEADS

OUR HISTORY

D'ANDREA is an Italian company, world leader in the production of high-precision accessories for machine tools, founded in 1951 by Marino D'Andrea, who started the business with the first facing and boring head (TA). D'Andrea brand is internationally recognized, through a distribution network present in over 50 countries, and it is known for the quality and reliability of its products.
A tradition of over 70 years in the manufacturing sector and a great passion for mechanics is now inherited by the third generation, with the goal of meeting the increasingly demanding requests of the world of precision mechanics. Every year, significant resources are invested in Research and Development of new products that, thanks to advanced technological solutions, meet a very qualified demand.



The hall of D'Andrea Lainate.

MISSION, VALUES AND SUSTAINABILITY

D'ANDREA combines strong technical know-how with continuous innovation, developing advanced and customized solutions in close collaboration with its customers. The company integrates ethical, social and environmental responsibility into its business model, with a strong focus on environmental protection and people's well-being. Alongside its industrial activities, D'ANDREA supports social initiatives that benefit local communities, promoting well-being, education and development opportunities both locally and internationally.

Environmental sustainability is a strategic priority. D'ANDREA is committed to reducing the impact of its operations through efficient resource management, energy-efficient solutions, on-site renewable energy generation, and the responsible management of materials and production processes.

Golden Compass
award for industrial design

Ernesto D'Andrea

THighT™



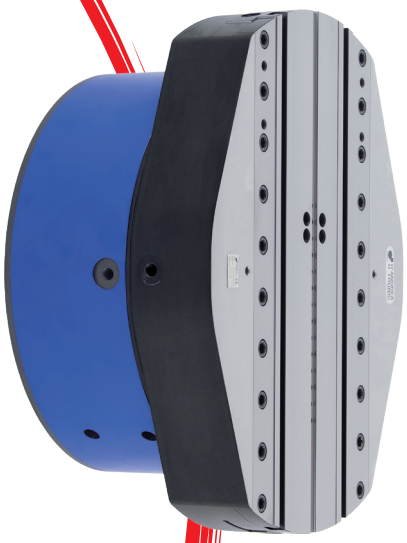


MHD'

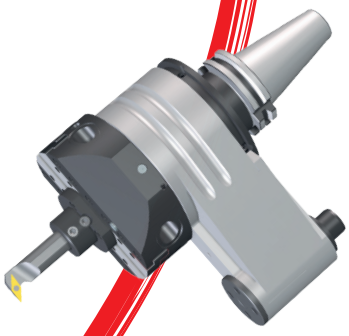
EVOLUTION OF A LONG TRADITION



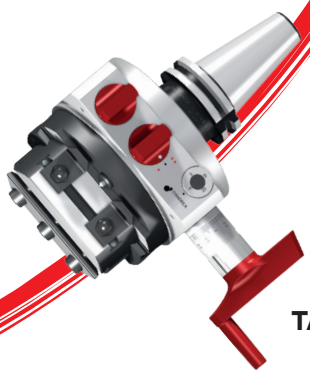
Ermanno with his sons Amedeo and Marino, and his daughter Maria Pina



U-TRONIC

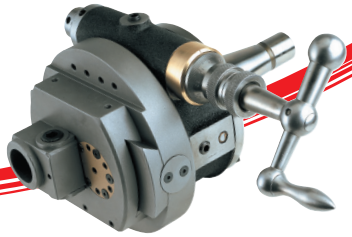


TA-CENTER



TA-SENSITIV





TA - 1951 The first HEAD for Boring and Facing.
Designed by the founder **Marino D'Andrea.**

D'ANDREA A COMPANY ON THE MOVE

1951

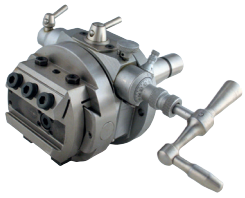
Marino D'Andrea, established the company in Milan

TA
The first manual boring and facing head



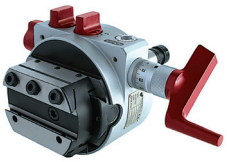
1963

TS
The second version of the D'Andrea head with manual and automatic feed



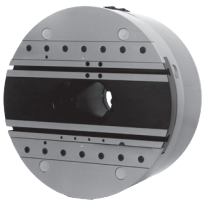
1974

TA-SENSITIV
The third version of the D'Andrea head with manual and automatic feed 40.000 heads sold all over the world



1975

U-TRONIC
The first NC boring and facing heads



1981

U-CENTER
NC turning operations on standard and special machining centres



1989

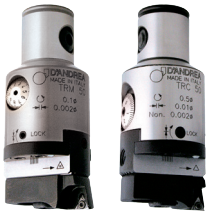
Golden Compass for the Industrial Design

1991

MODULHARD'ANDREA
MHD': the modularity, the strength and the high precision



TRM - TRC
D'Andrea Testarossa fine boring heads



1991

1999

AUTORADIAL
Heads automatic one for facing



2002

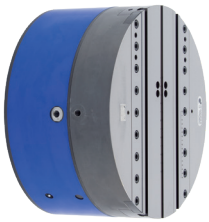
D'ANDREA
The two plants of Lainate (MI) and Castel del Giudice (IS)





2007

U-TRONIC
"Super sized"
NC operations





2011

U-COMAX
NC solutions
for Transfer and
special purpose
machines



2014

TR-ELETTRA 50
Micrometric
digital
Testarossa
boring head



2022

BHT SYSTEM
Roughing,
finishing,
turning



2025

THT SYSTEM
Modular turninig





MONOforce
and MONOd'
Quality,
precision,
strength and
convenience

2004





TA-CENTER
TA-TRONIC
NC facing and
boring heads

2008



PSC
The new modular line

2015



TA-CENTER
TA-TRONIC
TA-SENSITIV
New release

2023

D'ANDREA

in the world



OUR HEADQUARTERS

LAINATE (Milan)
D'Andrea represents the headquarters of the group, based in Lainate, a few kilometers from Milan. With over 7.000 sqm, D'Andrea boasts a modern, functioning and efficient plant where several machine tools are involved in the production of Tools and Heads. In particular, the grinding operations as well as the final test and assembly are here carried out.







CASTEL DEL GIUDICE (Isernia)
D'Andrea Molise was founded in 2001 in Castel Del Giudice (Isernia), where Marino - the founder - was born. In this plant, most of the semi-finished products are made and, subsequently, finished, mounted and tested in the headquarters.







D'ANDREA®

THE ART OF

TOOLS

MHD' MODULAR BORING SYSTEM

TS ROUGHING Ø 18 - 250	
TRM-TRE 2 µm TESTAROSSA Ø 2.5 - 500	
TRC 10 µm TESTAROSSA Ø 2.5 - 500	
ARBORS	
PR-RD RAV-BMD	
CHUCKING TOOLS	

THT TURNING MODULAR SYSTEM



TOOLHOLDERS



ARBORS

PSC HSK MAS KM VDI



HT 5 - 6 - 8

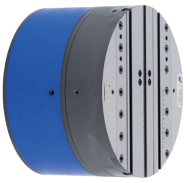
HEADS

U-TRONIC NC HEADS

MEDIUM AND LARGE HEADS



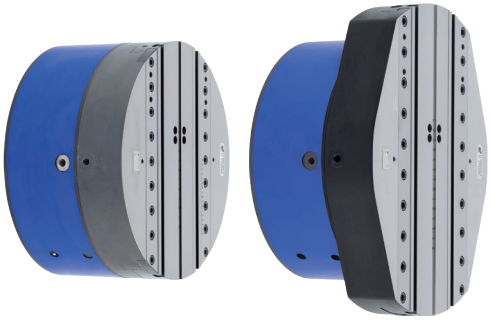
UT 3-360
Ø max 800



UT 5-500
Ø max 1000

UT 5-630
Ø max 1250

UT 5-800
Ø max 1600



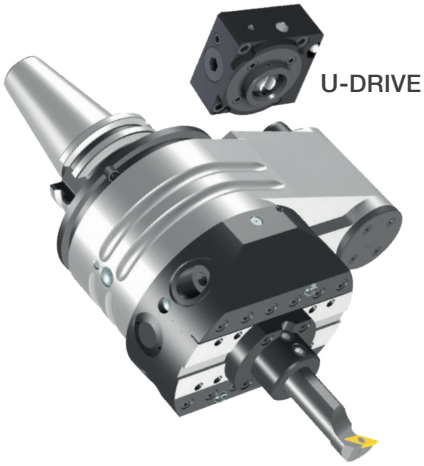
BORING AND SPECIAL MACHINES

TA-CENTER NC HEADS



TA-C110
Ø max 250

TA-C170
Ø max 460



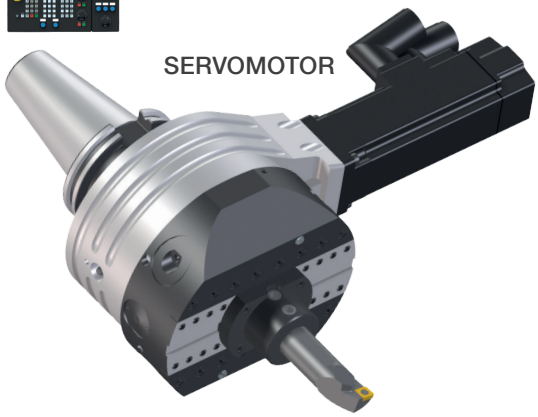
MACHINING CENTERS

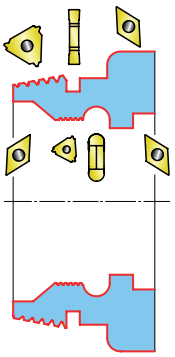
TA-TRONIC NC HEADS



TA-T110
Ø max 250

TA-T170
Ø max 460





MILLING CENTERS

PRECISION

made in italy

Golden Compass award for industrial design

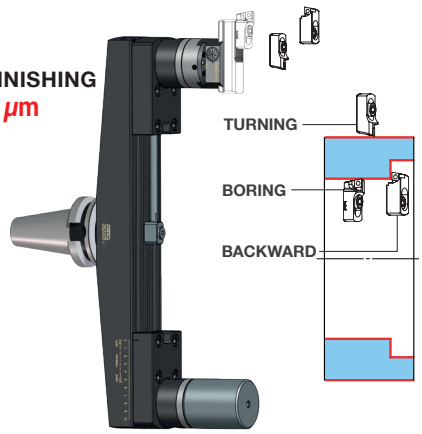
BHT CROSS BARS BORING - TURNING

BHT 250 - 500 -750 **UP TO Ø 1000**

ROUGHING



FINISHING
1 µm



MEDIUM AND LARGE SIZE MACHINES

PSC TOOLHOLDERS



MONOforce POWER MILLING CHUCKS



MONOd' MONOLITHIC TOOLHOLDERS



U-TRONIC SPECIALS

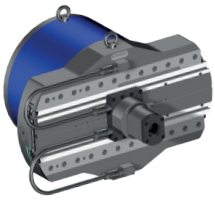
EXTENDED



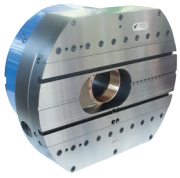
ANGULAR



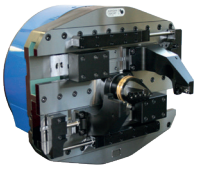
GEARBOX



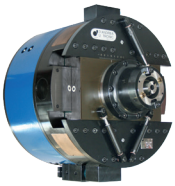
HOLE



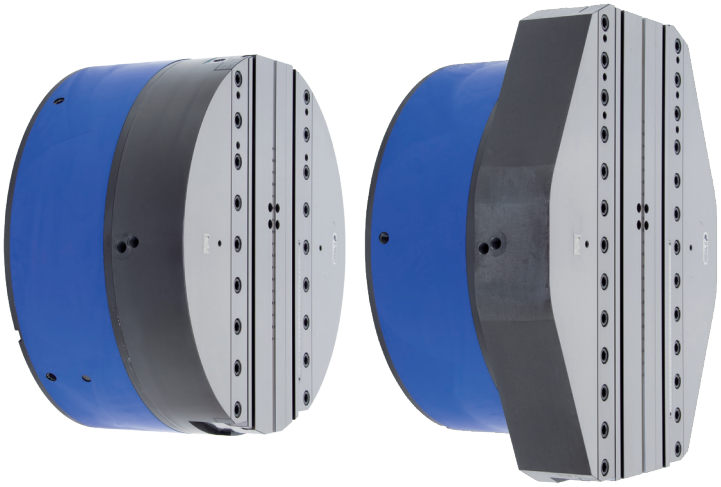
DOUBLE SLIDE



HIGH SPEED

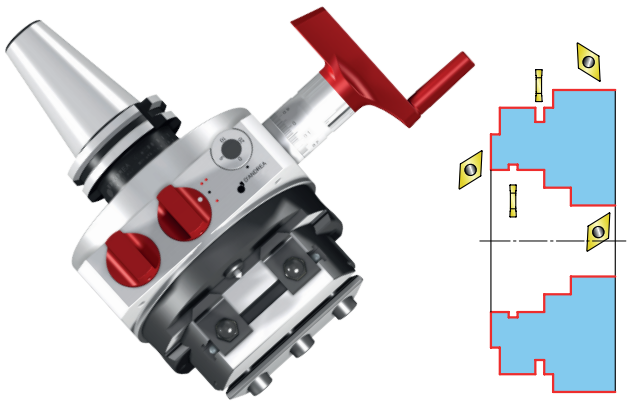


UT 8-800 Ø max 1600
UT 8-1000 Ø max 2000
UT 8-1250 Ø max 2500
UT 8-1600 Ø max 3200



TA-SENSITIV FACING AND BORING HEADS

TA-S120 Ø max 250
TA-S170 Ø max 400



MILLING-BORING
AND CONVENTIONAL MACHINES

AUTORADIAL

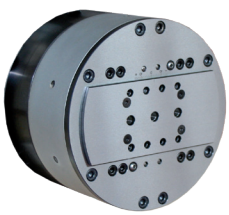
AUTOMATIC FACING HEADS



MACHINING
CENTERS

U-COMAX

NC HEADS



SPECIAL
PURPOSE
MACHINES

MODULHARD'ANDREA

High-precision modular toolholders that are produced for boring, milling and drilling operations with extreme flexibility and rigidity.
The **MHD' coupling** is the heart of the Modulhard'andrea tool system.
Available in 8 sizes, it guarantees the interchangeability of all the elements of the system, which includes arbors, extensions, reductions and toolholder adapters.





THT

MODULAR TURNING SYSTEM

Modular solution for all turning operations—from roughing to finishing.



THT™

PSC

MODULAR AND MONOLITHIC TOOLHOLDERS

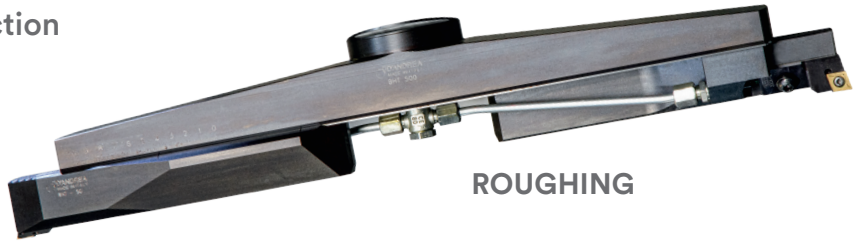
High-precision toolholders with polygonal-tapered connection to ensure extreme rigidity



BHT | CROSS BARS

Modular bars system to perform boring and turning operations on medium-large workpieces, characterized by the new polygonal shank HT connection suitable for machining with high torsional components.

BHT™



ROUGHING



FINISHING **2µm**

HT INTERCHANGEABLE ARBORS



HT™

POLYGONAL SHANK HT COUPLING

MONOforce

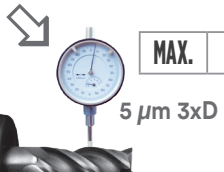
POWER MILLING CHUCKS

HIGH-PRECISION ULTRA TIGHT TOOLHOLDERS

Ø 12 / 20 / 32

MAX.	RPM 15.000

MAX.	40 BAR



5 µm 3xD



MONOLITHIC TOOLHOLDERS

MONOLITHIC COLLECT CHUCK HOLDERS

ER 16 / 25 / 32

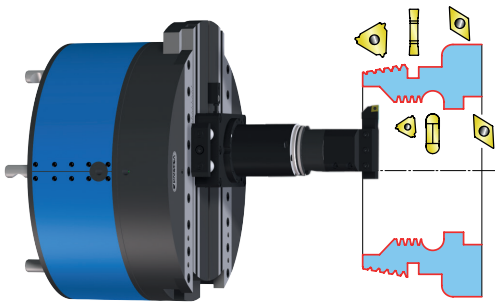
MAX.	RPM 15.000

↗	0.003



U-TRONIC | NUMERICAL CONTROL HEADS

Medium and large NC heads applicable on boring machines and special machines that allow to perform different machining operations, both internal and external.
The slide movement is managed by an integrated servomotor which is directly connected to the Numerical Control.





BORING MACHINES AND SPECIAL UNITS

TA-CENTER

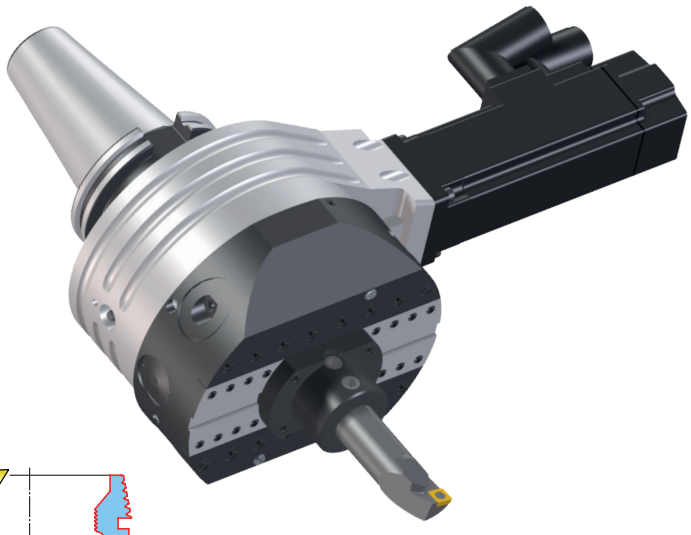
NC facing and boring heads designed to be used on machines with automatic tool change and so applicable on all machining centers. The tool-holder slide displacement is managed by an external U-DRIVE gearbox unit mounted on the spindle flange.



MACHINING CENTERS

TA-TRONIC

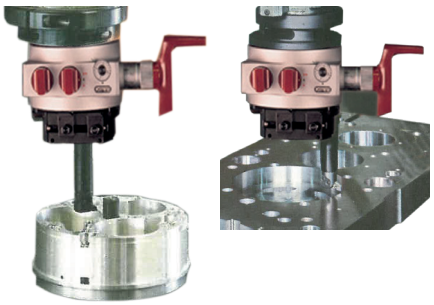
NC facing and boring heads designed to be applied manually on small boring machines, machining centers and special machines.
The integrated servomotor, connected to the NC, manages the tool-holder slide displacement.

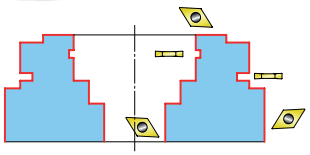


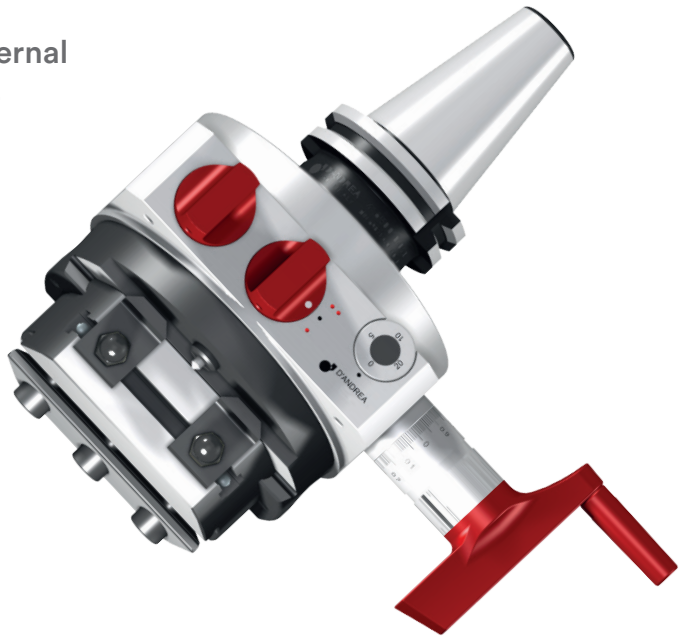
MILLING MACHINES

TA-SENSITIV | FACING AND BORING HEADS

Boring and facing heads applicable on milling machines, boring machines and radial drills with the possibility of manual adjustments during machine stops and automatic feeds during the machine spindle revolution.
It's possible to carry out external and internal facing operations, backward operations, cylindrical and conical borings, grooves, turnings and chamfers.





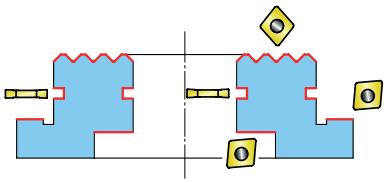


MILLING-BORING MACHINES AND CONVENTIONAL MACHINES

AUTORADIAL

Automatic facing heads applicable on machining centers and on NC machines without the need for an electronic interface or interlock. They perform automatic working cycle without ever stopping the spindle rotation. Particularly suitable for machining of seats for elastic rings and phonographic spirals.

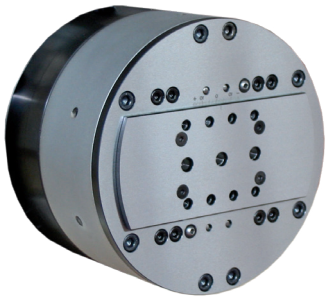


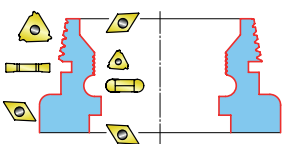


MACHINING CENTERS

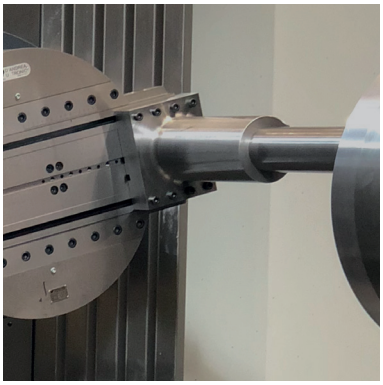
U-COMAX

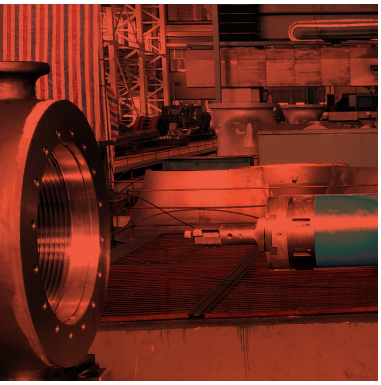
NC facing and boring heads designed to be used on transfer machines and special purpose machines.
The movement of the slide is managed by a U-DRIVE gearbox unit mounted at the back of the spindle unit and managed by the NC.

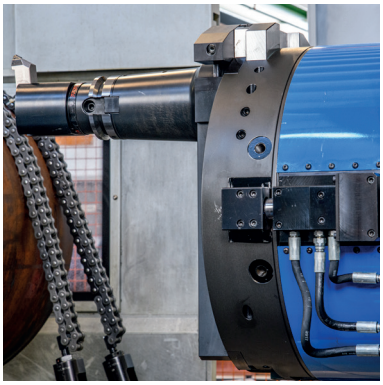


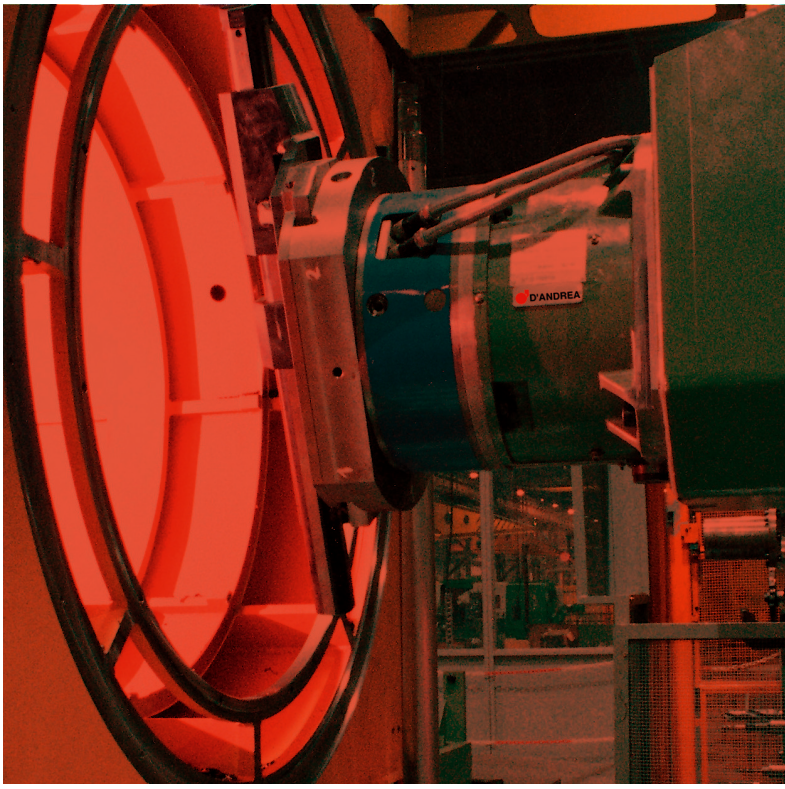


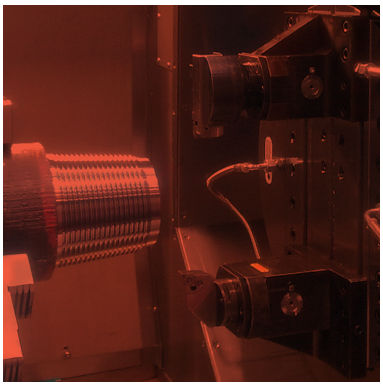
SPECIAL PURPOSE MACHINES

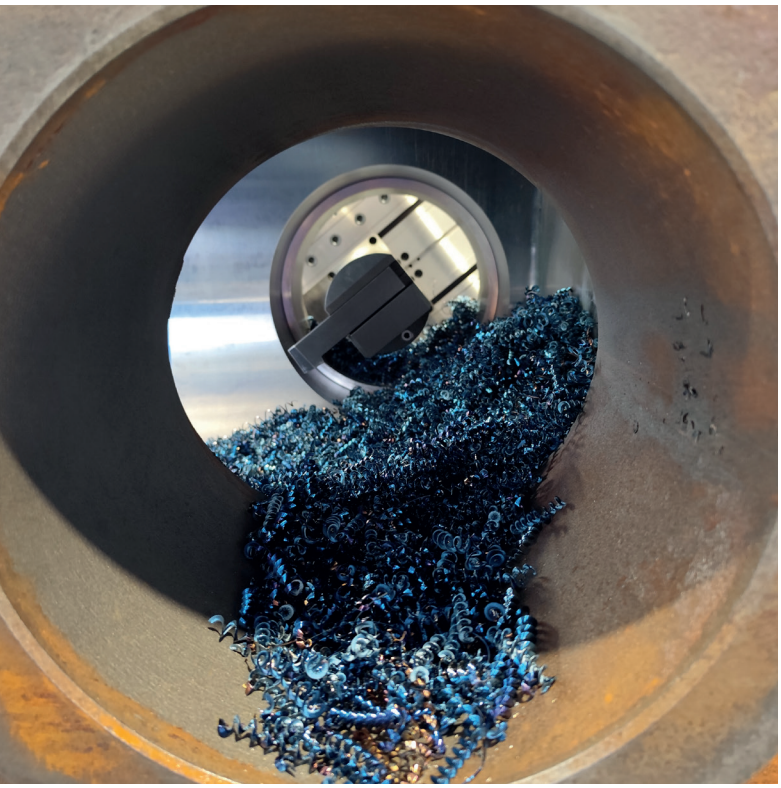


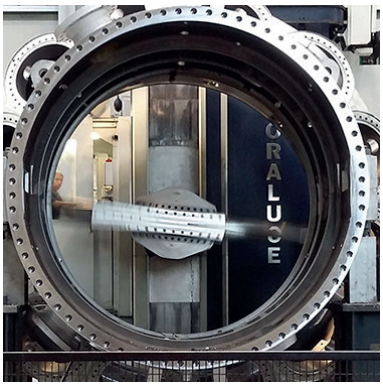


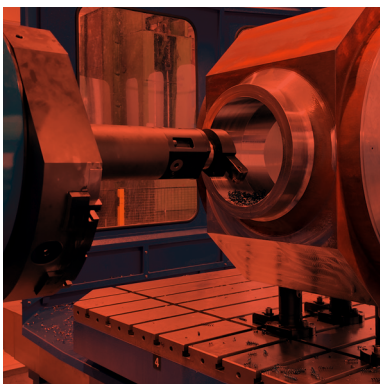


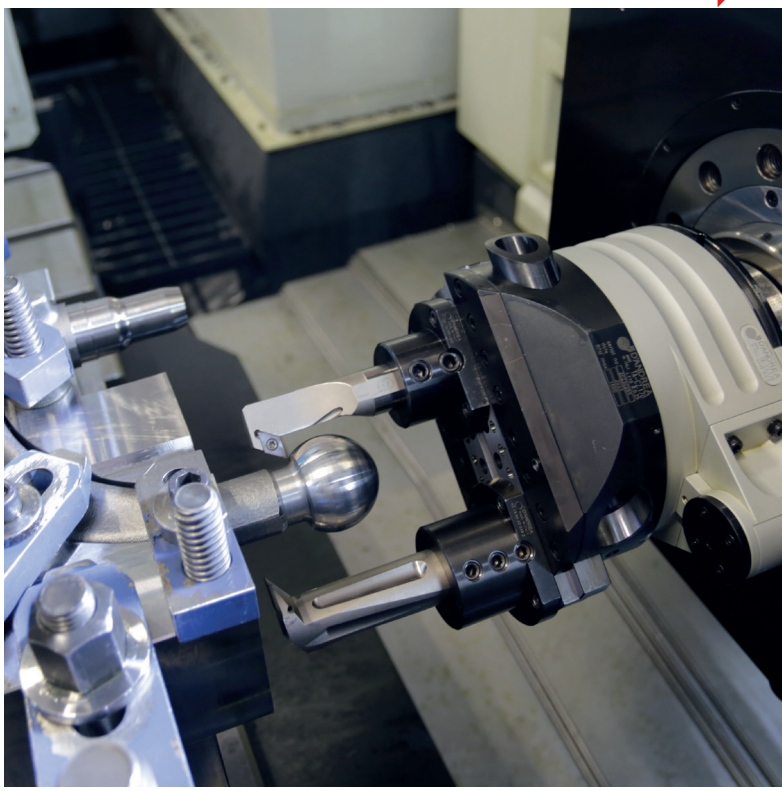

D'ANDREA

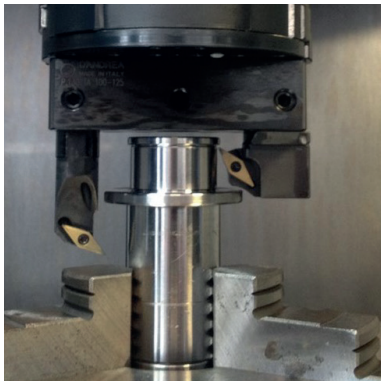


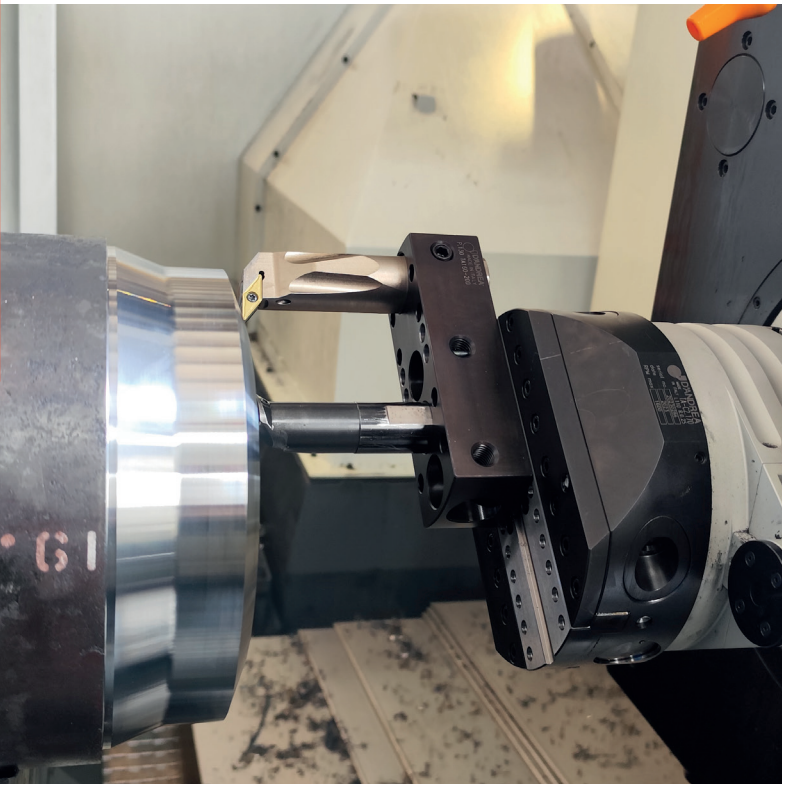


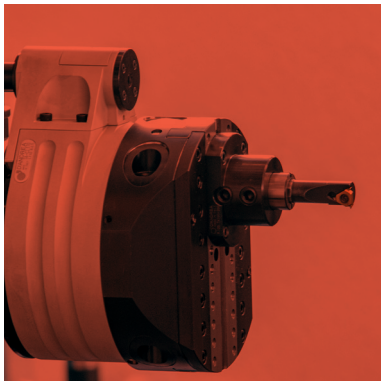

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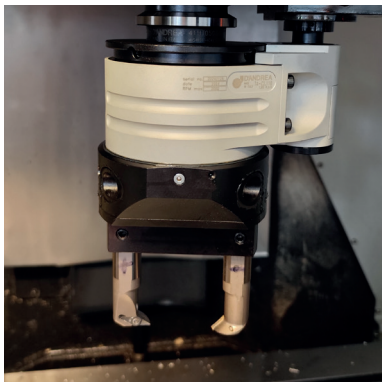


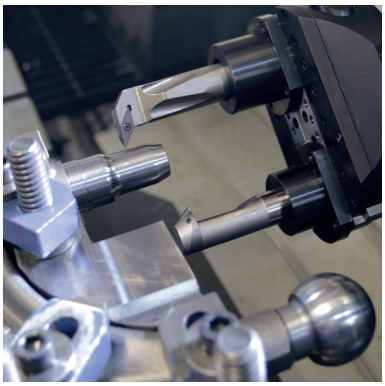


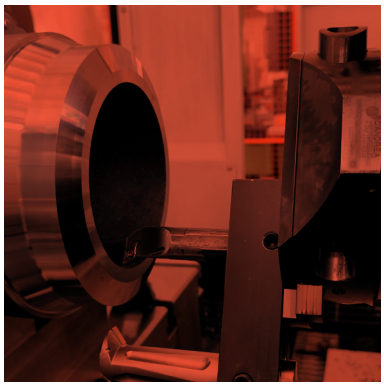





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