



evolving together

+ + + +



Established in 1978

3 production locations in the middle of the Italian district of machine tools, approx. 24.000 m² of assembly area



Employees: 320 Average age:







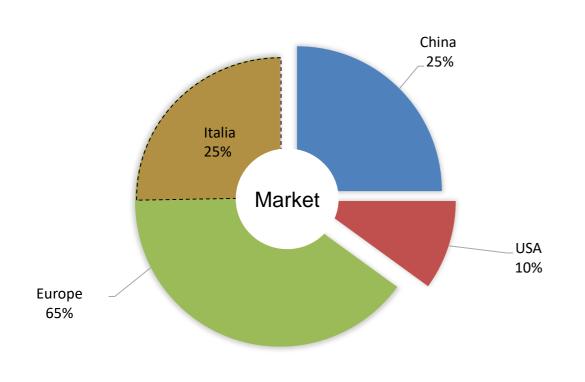


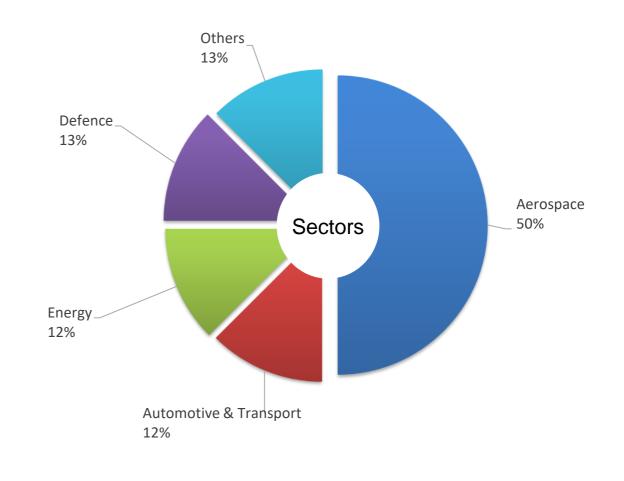






MCM has grown at international level in: Aerospace, Automotive, Industrial, Energy, Oil & gas and Defence sectors.















A UNIQUE PARTNER



4 & 5 AXES MACHINING CENTERS

Milling

Turning

Drilling

Grinding

INTEGRATED PRODUCTION SYSTEMS

Flexible Machining Systems Complementary processes integration Process automation

SUPERVISION SOFTWARE

Smart production according to Industry 4.0 principles

> Production data & statistics Cloud and web access





















MCM machines can be configured as multi-operational manufacturing center

4/5 Axes Milling



Drilling

Grinding



















MACHINING CENTERS







JET-FIVE FAMILY

Size Workpiece

TANK.G **FAMILY**

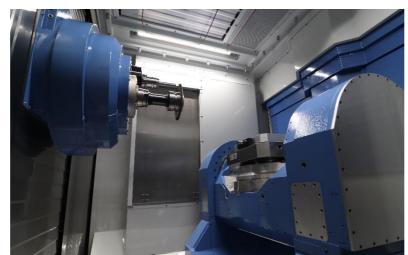
TANK FAMILY



4 and 5 axes MC with exclusive design and technologies

X Axis Strokes from 800 to 1200 mm High dynamics, rigidity and accuracy





Bipallet, Multipallet (up to 20 pallets), FMS configurable

Pallet Sizes from 500x500 to 630x800

















MACHINING CENTERS





JET-FIVE FAMILY

Size Workpiece

TANK.G **FAMILY**

TANK FAMILY

FAMILY

4-5 axes available, Single/Bi/Multi-Pallet and **FMS**

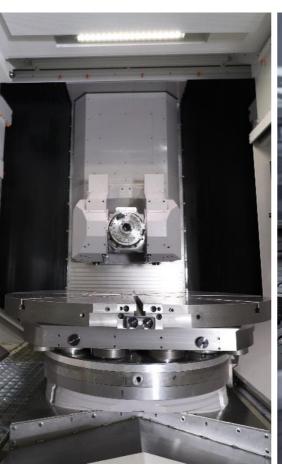
Designed for multitasking

X Axis Strokes from 1300 to 3000 mm

Square Pallet Sizes from 800x800 to 1250x1250 mm

Round Pallet sizes up to 1400 mm

Highly customizable



















MACHINING CENTERS

Size

Workpiece







TANK.G **FAMILY**

TANK FAMILY

CLOCK FAMILY

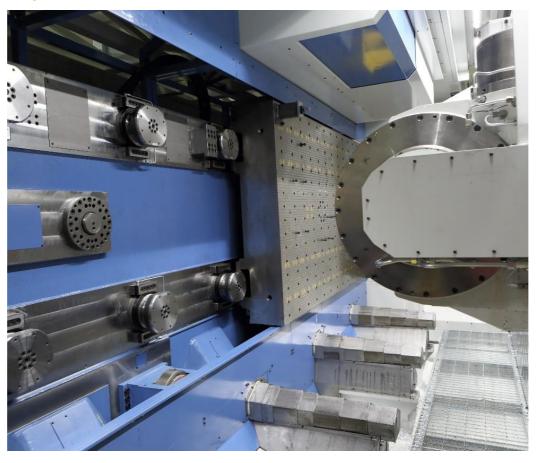
Designed on custom needs and for High Removal Rates

Versatility and excellence dynamics

Cross-Sectoral application

Configurable in FMS or Multipallet operations

Big Sizes (X axis > 3 meters)











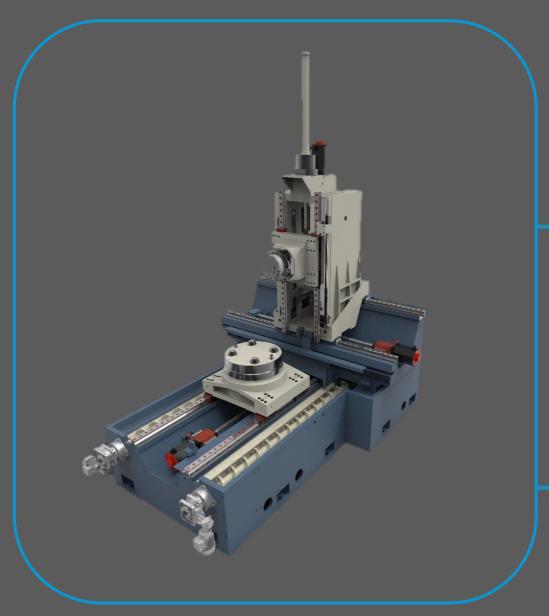












Key components based on exclusive MCM engineering



TILTING TABLE

TILTING HEAD





TURNING TABLE







FLEXIBLE AUTOMATION





Multipallet

Autonomy of the production plant (i.e. unmanned shifts, weekend)

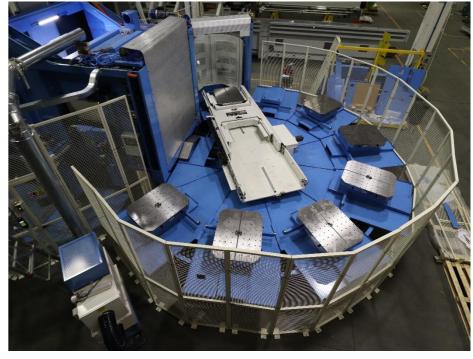
Reduction of human activities and improvement of shopfloor safety

Multi pallet configurations (from 1 to over 20) and multilevel pallets storage

Supervision and management software



















FLEXIBLE AUTOMATION





Flexible Manufacturing Systems (FMS)

Specialists of highly automatized machining plants

Fast reconfigurability of production

Reduction of human activities, improvement of shop-floor safety

Optimization of 'Productivity/Surface Unit' ratio [\$/m²]

Improvement of the 'Throughput ratio' [parts/hour]

Elimination of W.I.P. warehouses



















SYSTEMS INTEGRATION

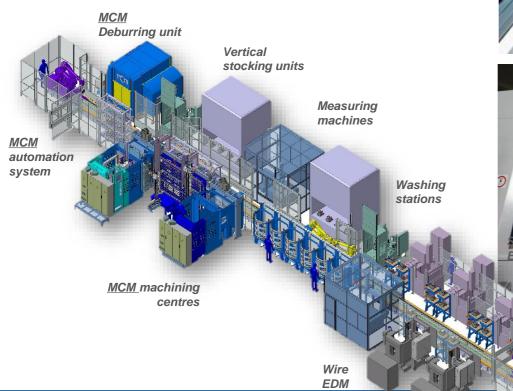




Different and complementary technologies integrated into a single production system

Exclusive management software

Integration: robots, handling systems

























SUPERVISION SOFTWARE







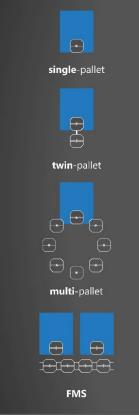


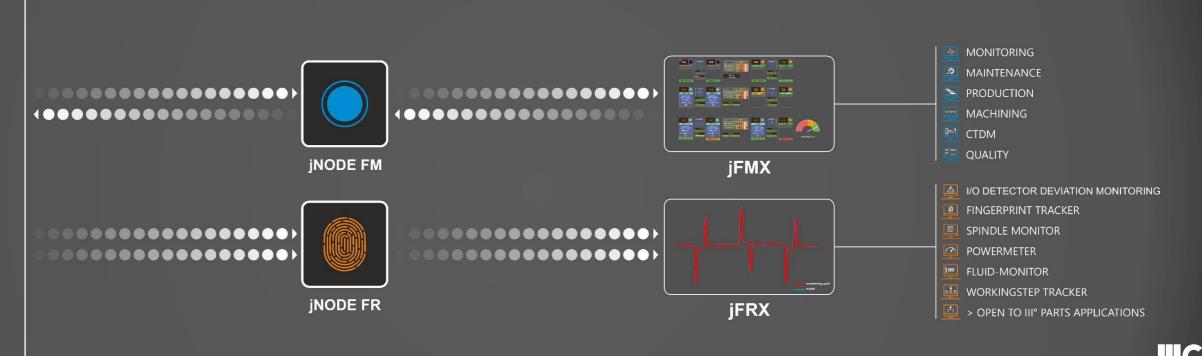


lome	Immagine	Caratteristica	Desc
1		D59	1º Misura D59 lato bascula Dx.Esterno perno
2		D59	2º Misura D59 lato bascula Dx. ruotata di 90ºEsterno perno
3		D59	3° Misura D59 lato bascula Dx.Interno perno
4		D59	3 ⁴ Misura D59 lato bascula Dx.Interno perno Ruotata di 90 ⁴















30 years experience in flexible manufacturing supervision software

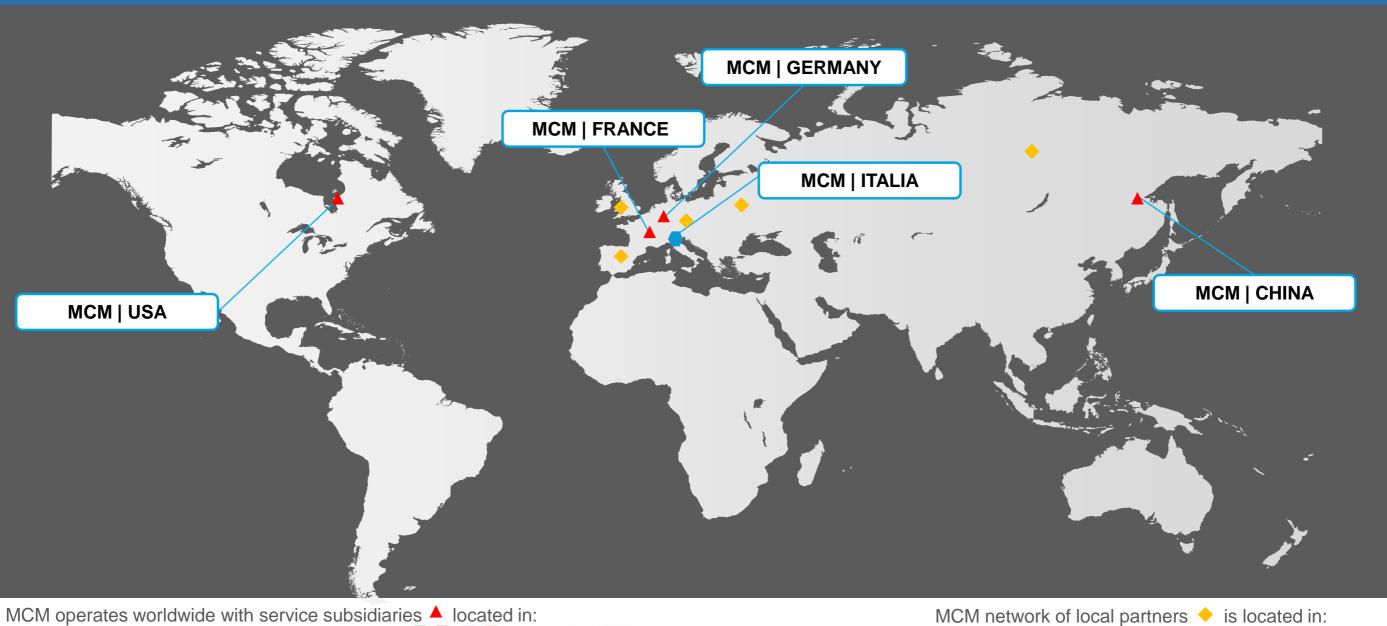






AT YOUR SIDE ANYTIME, ANYWHERE











SPAIN / RUSSIA / UK / POLAND / CZECH REP





ITALY / FRANCE / GERMANY / USA / CHINA





REFERENCES



AEROSPACE





A.G.I. ACITURRI AERO **STRUCTURES**

ACITURRI AERO ENGINES

AGUSTA WESTLAND

AIRBUS

AIRBUS HELICOPTERS

AIRCRAFT PHILIPP

AVIC

AVITRON – SAM Group

CAUQUIL

CESA

CHINA AVIATION

INDUSTRY

COMEAR COUSSO

DASSAULT AVIATION

FAMAT GE-AVIO

IGW POWER

ITP

LATECOERE

LAUAK

LEONARDO

MAGNAGHI AERONAUTICA

MECAFI

MTU AERO ENGINES AG

OMA

PREMIUM AEROTEC

SAFRAN AERO BOOSTERS

SAFRAN AERO COMPOSITES SAFRAN AIRCRAFT ENGINES

SAFRAN HELICOPTER

ENGINES

SAFRAN LANDING SYSTEMS

SAFRAN TRANSMISSION

SYSTEMS

SECONDOMONA

SHENYANG AIRCRAFT

SNECMA Suzhou

SONACA

ST. JEAN AERO

STELIA AEROSPACE

UTC AEROSPACE













AUTOMOTIVE





LA.ME.S. MAGNETI MARELLI MOTORI MINARELLI SATA Gruppo FIAT **STREPARAVA TEKSID** TM RACING VM MOTORI (DAIMLER CRYSLER) **VOLVO**

ASSO WERKE BREMBO CHASSIX CIE AUTOMOTIVE FERRARI AUTO FIAT **FPT POWER TRAIN** HITACHI METALS **AUTOMOTIVE** COMPONENTS LLC











TRANSPORT





ISOTTA FRASCHINI IVECO LANDINI LIEBHERR-**HYDRAULIKBAGGER MATROT** MCCORMICK

MMS Marine Motor

Service GmbH OMSI TRASMISSIONI SAME DEUTZ-FAHR REFCOM SITI V. ORLANDI **YTO France**

GILARDONI GIMA - AGCO **GNUTTI** HDM - LAFORGE-LLC **INFRABEL**



AGCO BCS **BREVINI CARRARO** CASE **AGRICULTURE** CNH

CUCCHI

INTERPUMP









Energy, Oil & Gas





GE GRID SOLUTION HAL LEIPZIG JMA - JOUSSEAU L.M.B. SIEMENS AG THÖNI MANUFACTURING WUXI - AREVA

ALSTOM - AREVA T&D **AMPO BHEL** CAMS DAFRAM **DEMONT** FBFC – AREVA

GE - OIL & GAS











Machinery, Tooling And Defense





A.M. STAMPI AUTOMOTIVE

LIGHTING

BENELLI

BERETTA

BETTINELLI

BIGLIA

BLM GROUP

BOBST

CAESAR GUERINI

ELIO ZAGO

EUROSTAMPI

FABARM

FOM

GOIZPER

HOSOKAWA ALPINE

KBA

M.E.C.A.L.

MECCANICA STM

MGI

OMMP

PEDERSOLI

PERAZZI

P.E.T. ENGINEERING

PHOENIX

PLUMETTAZ

RIZZINI

SANTONI

SARSILMAZ SILAH

SCHNEEBERGER

SCM GROUP

SIDEL SMI















Industrial Components





OIL CONTROL REXROTH **BOSCH GROUP** OLEOMEC **OLEOSTAR** POMPE TRAVAINI ROSSI MOTORIDUTTORI SAIMU SAUER DANFOSS

TERMOMECCANICA

MANUFACTURING

SCHWING

TEKSID

THÖNI

WALVOIL

VAT

BIMA BONFIGLIOLI BREVINI HYDRAULICS BUCHER HYDRAULICS CASAPPA **CASAPPA Pumps Division**

ARON

EURO PRESS PACK FRASCOLD HP HYDRAULICS INTERPUMP HYDRAULICS LENZE **METAL WORK**















AEROSPACE CASE HISTORIES

Aerospace Case Histories | AIRBUS

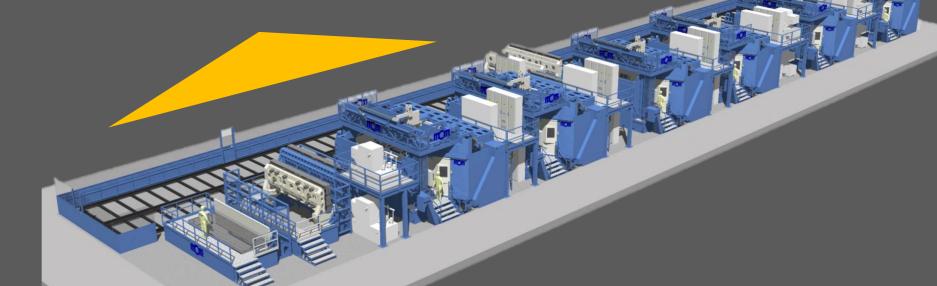


FMS with 6 machining centers model Jet Five and integrated automation for the manufacturing of titanium structural parts.

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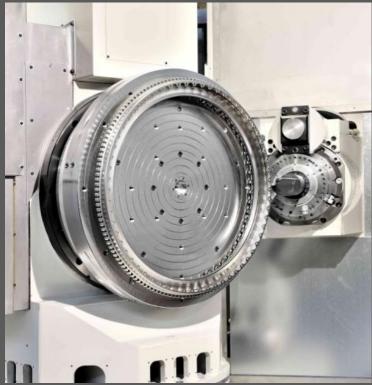


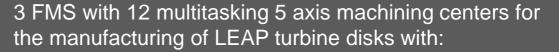


Aerospace Case Histories | SAFRAN AERO ENGINES









- precision load/unload stations
- pallet change with horizontal-vertical rotary unit
- shared tool magazine type mirror
- hi-performance tool preset station
- jFMX supervising software



















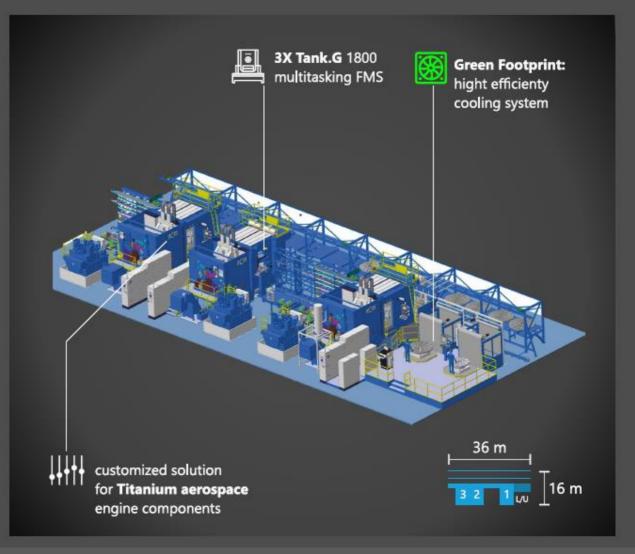
Aerospace Case Histories | MTU







FMS with 3 MULTITASKING machining centers for milling, turning and grinding of Inconel aero engines "central frame"

























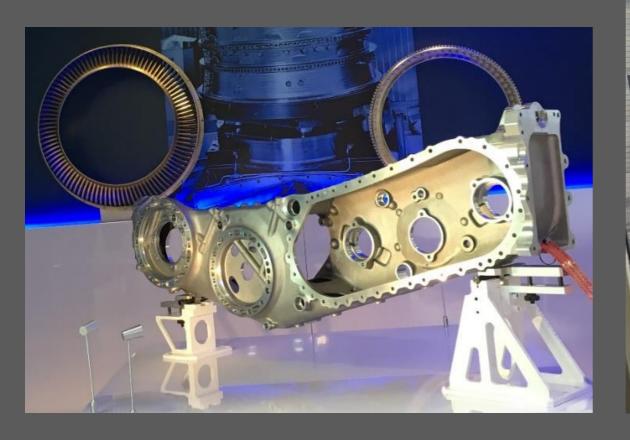
Aerospace Case Histories | AERO GEARBOX INTERNATIONAL



Production System made by 4 multi-pallet 5 axis machining centres.

PLUS: turn-key solution

- Project development with CATIA V5 to design fixtures and evaluate tool dimensions
- Cycle time: under 10 hours
- > 100 tools required for the complete machining





















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www.mcmspa.it