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**BOZZI** SPA  
MECCANICA DI PRECISIONE



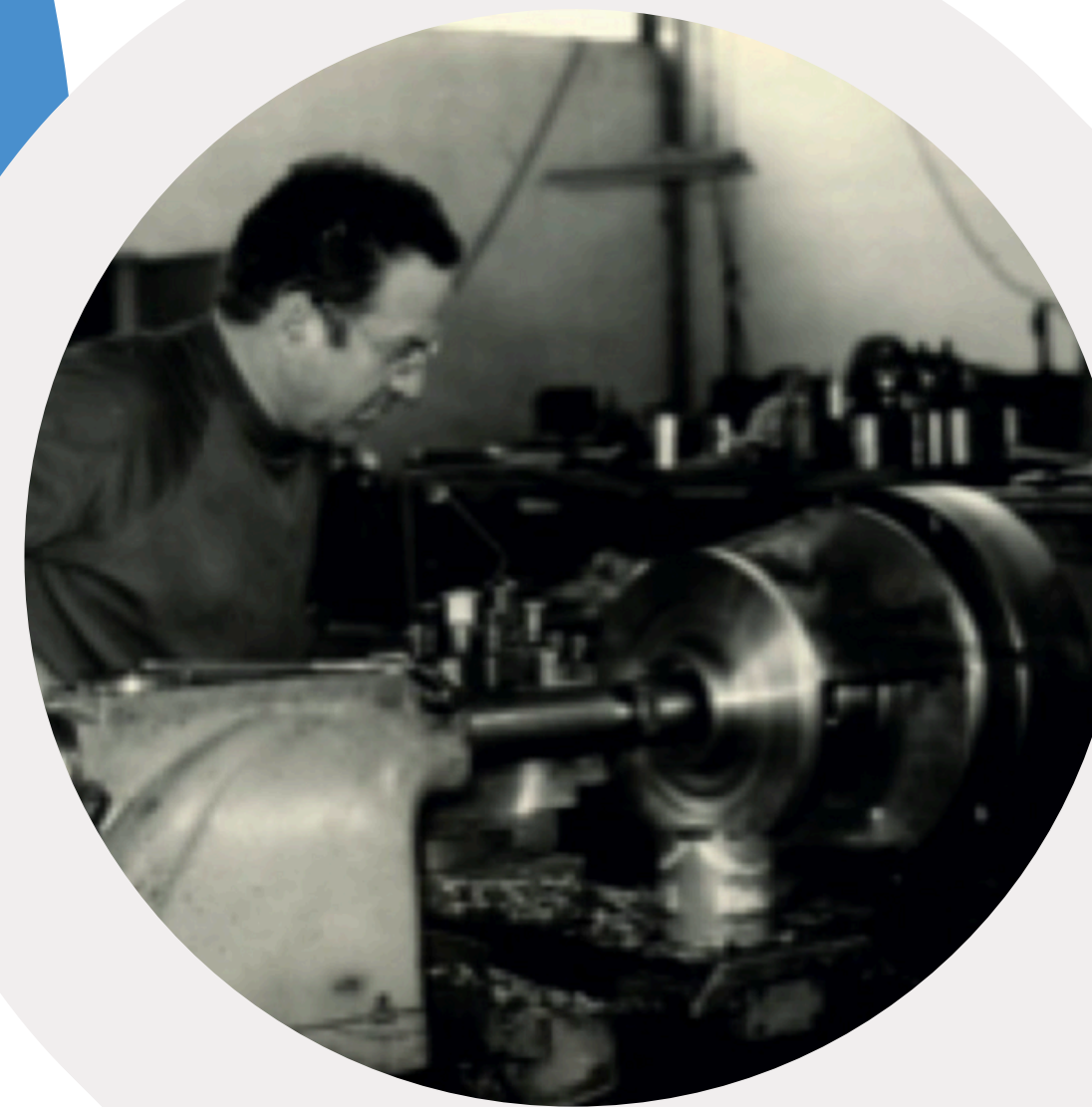
Precision Cnc  
Machining



# THE COMPANY SHORT STORY

The history of Bozzi Company started in 1961 from its founder Ilvo Bozzi.

The company grew up rapidly and at the end of the 60s already gave employment to 10 people.



**1970**

Ilvo Bozzi decides to move its company to a new warehouse

**1976**

The two sons join to the company

**1979**

Bozzi S.r.l purchased the first numerical control machines

**1983**

We introduced the first CAD system (Computer Aided Design)

**1996**

Bozzi S.r.l obtained the UNI EN ISO 9002 : ED 1994 certificate

**1997**

Bozzi designs and builds a new elegant and functional structure that spans over an area exceeding 6000 square meters.

**1999**

Purchase of the first three-dimensional measurement machine and construction of climate-controlled rooms.

**2002**

Bozzi S.r.l obtained the UNI EN ISO 9001: ED 2000 certificate

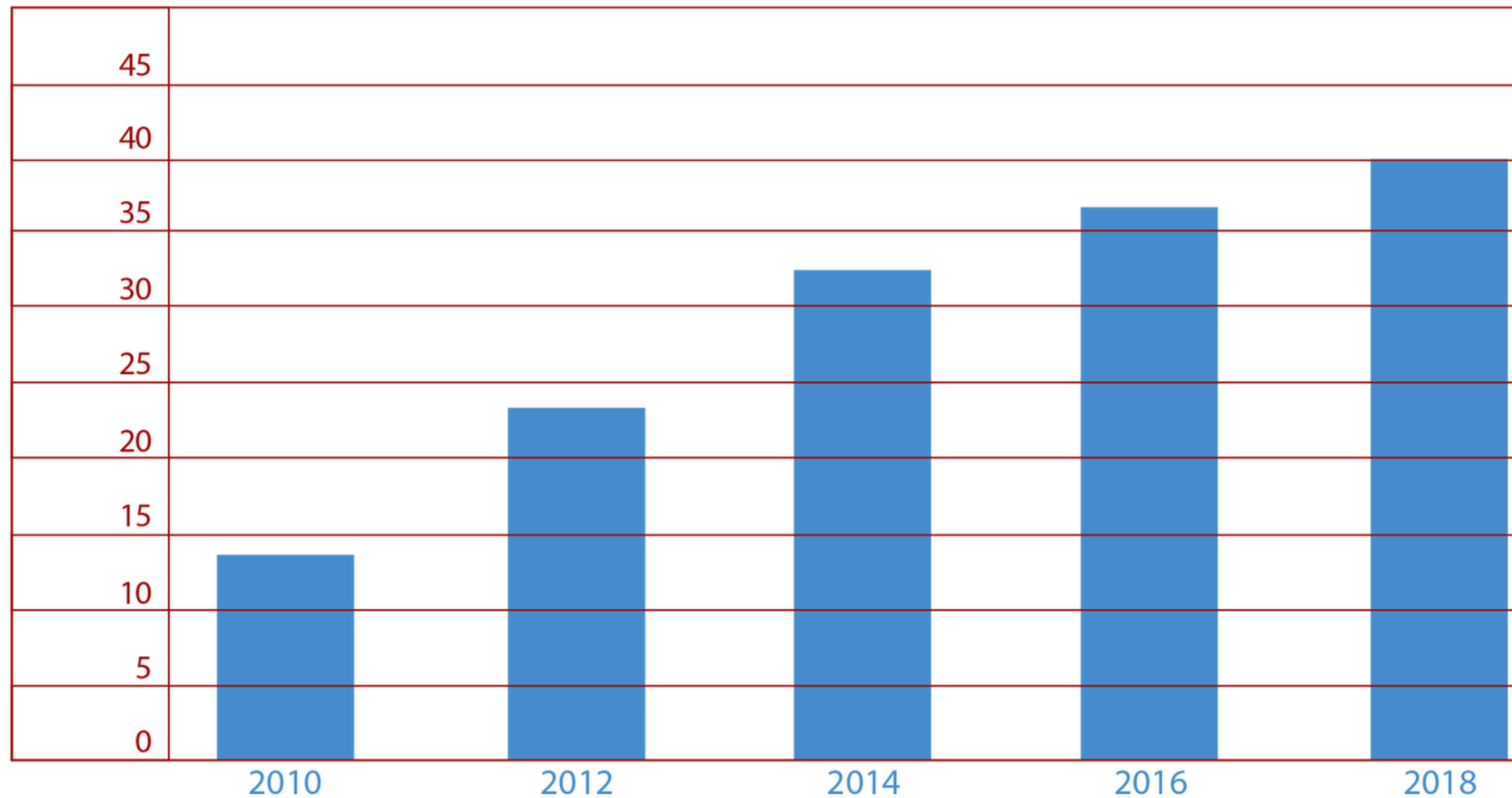
**2016**

Bozzi S.p.A obtained the UNI EN ISO 9100 : ED 2009 certificate

**2018**

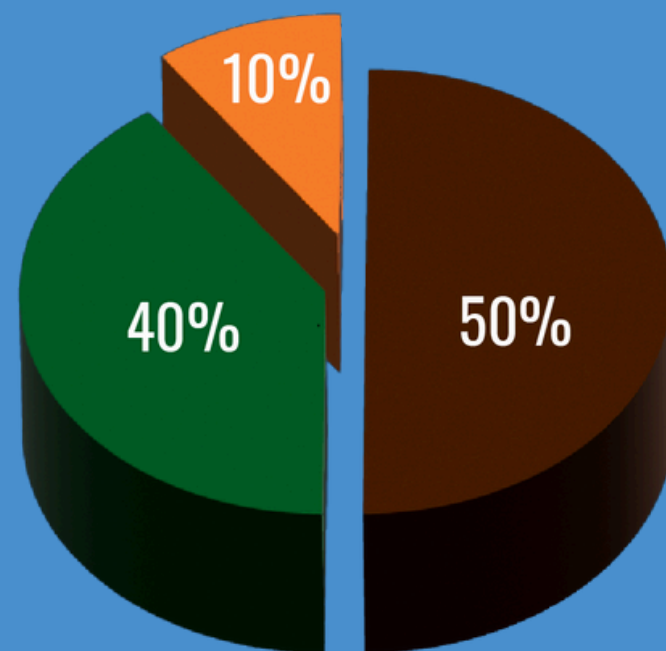
Bozzi S.p.A obtained the EN 9100 : ED 2018 certificate

In the last years Bozzi exponentially incremented the number of its employees and machines in order to satisfy the increasing requests of its customers.

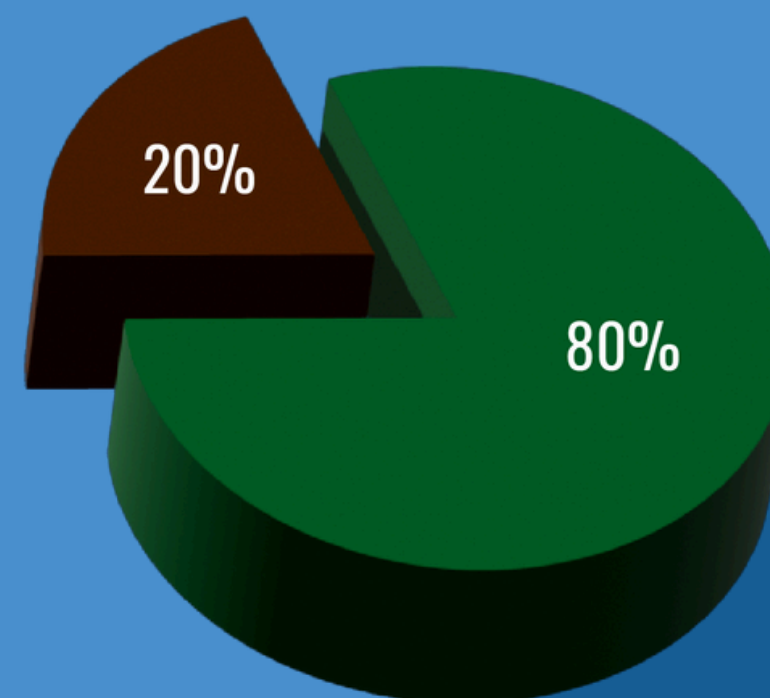


The Bozzi S.p.A. growth is due to its capacity to exploit the new technologies and set up partnerships with high level companies such as: Leonardo S.p.A. , MBDA S.p.A. , Pyroalliance SA, Sitael Aerospace S.r.l., Parker France SAS, Biomérieux Italia S.p.A. , Hyundai Motorsport GmbH and Ducati Motor Holding S.p.A.

## MERCATO INTERNO



## EXPORT





Reg. Numero / Reg. Number	00260- N	Inizio validità / Issue date	2022-06-04
Prima emissione / First issue date	2016-06-04	Ultima modifica / Reissue date	2022-06-04
Prossimo rinnovo / Expiry date	2025-06-03	Settore IAF / IAF Sector	21, 17

Certificato di Approvazione  
*Certificate of Approval*

Si dichiara che il Sistema di Gestione per la Qualità dell'Organizzazione:  
*We certify that Quality Management System of the Organization:*

**BOZZI S.p.A.**

È stato valutato in accordo ai requisiti della EN 9104-001:2013 e del Regolamento Tecnico Accredia RT 18 / *Has been audited in accordance with EN 9104-001:2013 requirements and Accredia RT 18*

Ed è conforme ai requisiti delle seguenti Norme per la gestione dei Sistemi Qualità / *and It is in accordance to the following Quality Management System Standards*

**EN 9100:2018, AS9100D, JISQ 9100:2016**  
ISO 9001:2015

**Scopo/scope:**

Lavorazioni meccaniche di precisione a controllo numerico.  
*Mechanical precision CNC machining.*

Presidente/President  
Giampiero Belcredi

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali di Kiwa UNAVIAcert / *The maintaining of the certification is subject to annual surveillance and dependent on the observance of Kiwa UNAVIAcert contractual requirements.*

Il presente certificato è costituito da 1 pagina.  
*This certificate is composed by 1 page.*

**BOZZI S.p.A.**

Sedi oggetto di certificazione / *Certified Sites*  
- Via Provinciale Pisana 548A/B/C 57121 Livorno Italia



Since the beginning of its history, the Company has dedicating resources to the management of quality issues, initially intended as a simple absence of defects in delivered products and later, through the acquisition of certifications, as methods for managing the entire production flow.

To date the management system complies with the requirements for aviation, space and defense organizations, as defined in EN 9100:2018 / AS 9100D and ISO 9001:2015.



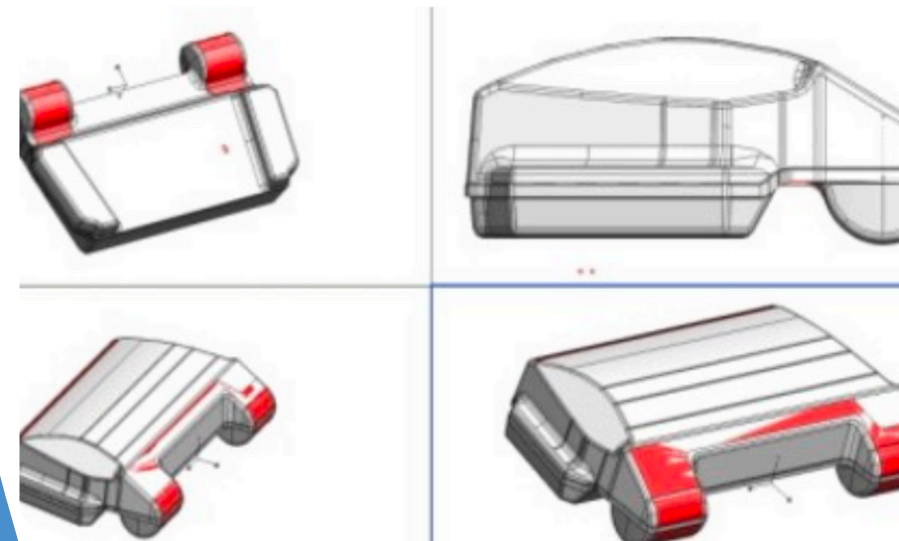
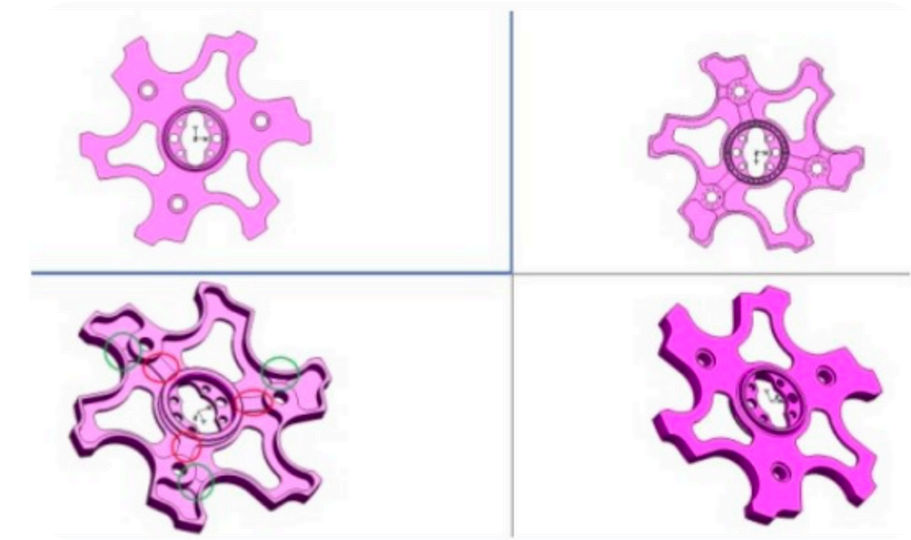
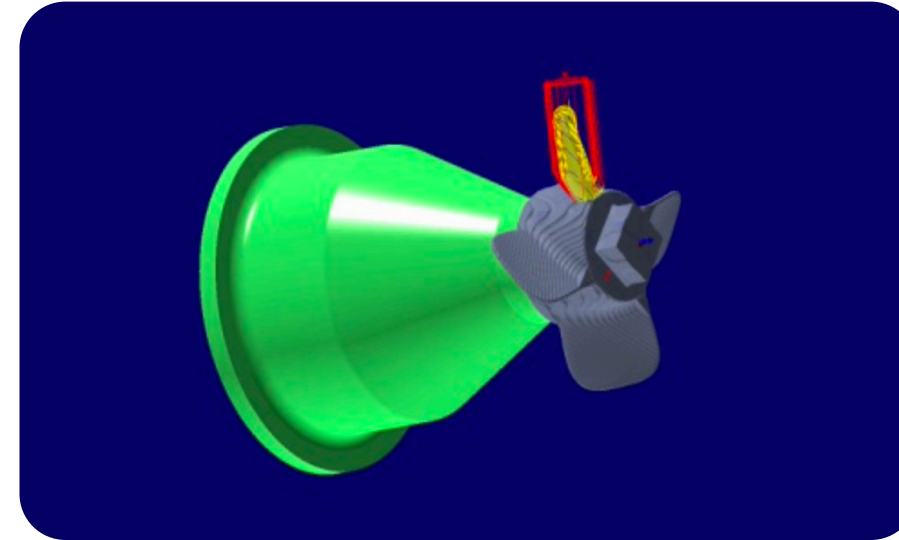
The precision and flexibility of Bozzi S.p.A. products are authenticated by the great experience in the multiple sectors that encompass the various kinds of machining. The materials and various machined parts are subjected to extensive tests and studies to assure the customer maximum results.

Bozzi S.p.A. is able to supply finished products, starting from raw materials, machined, thermally and surface treated, cooperating from years with a certificated supply chain of partners. The most frequent materials used for the realization of the parts are:

Steel (austenitic, ferritic, martensitic)	PH steels	Quenched and tempered steels	Inconel and superalloys
Aluminum alloys	Titanium	Bronze, brass	Plastics: Nylon, PVC, Delrin, Teflon, etc.

During the years, the progress and innovation have led to the introduction of the new CAD CAM system with 5-axis technology.

With this type of software the company has raised the level of difficulty and precision of the machining which can be made.



## DESIGN TOOLS/SW DI PROGETTAZIONE

Developer/Fornitore - Platform/Piattaforma

**OPENMIND**

Thikdesign 3D

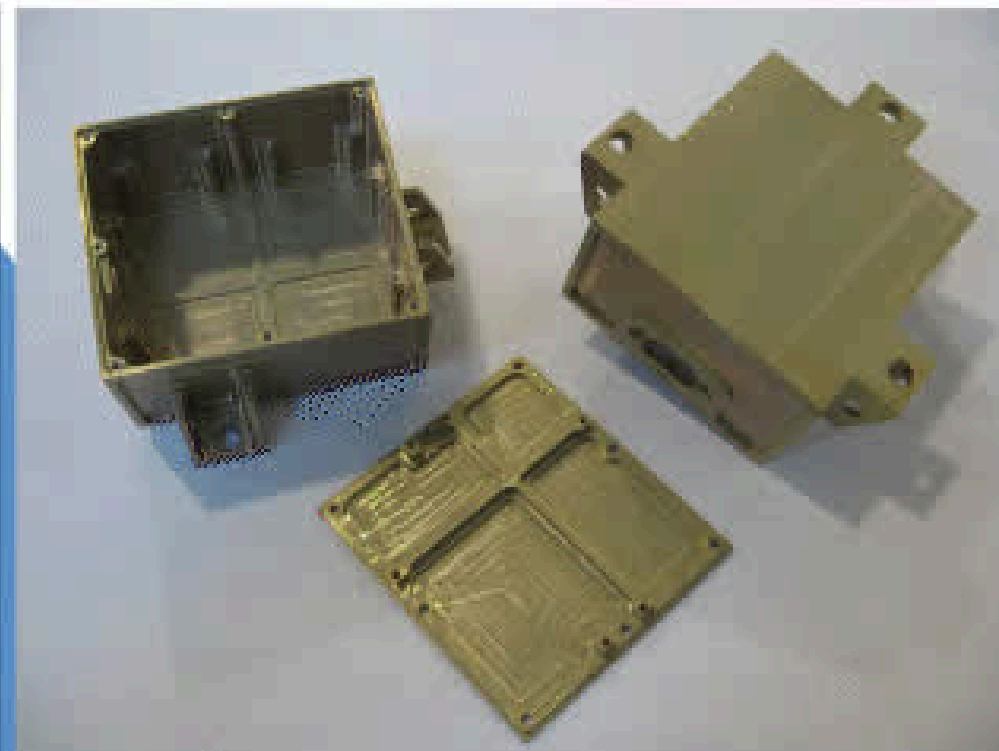
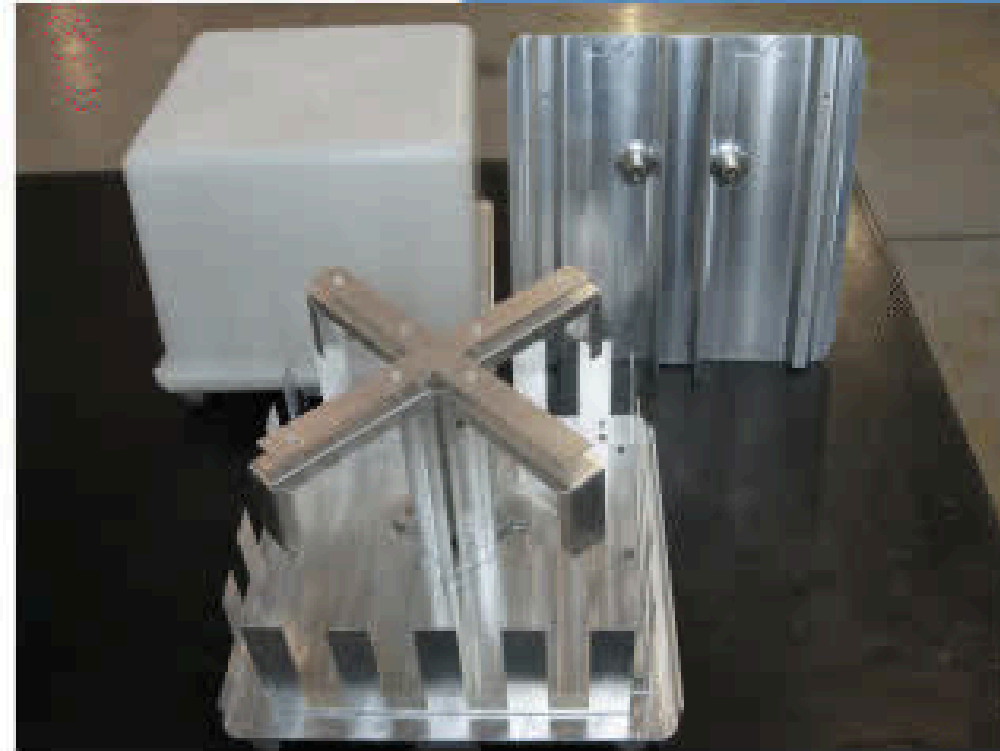
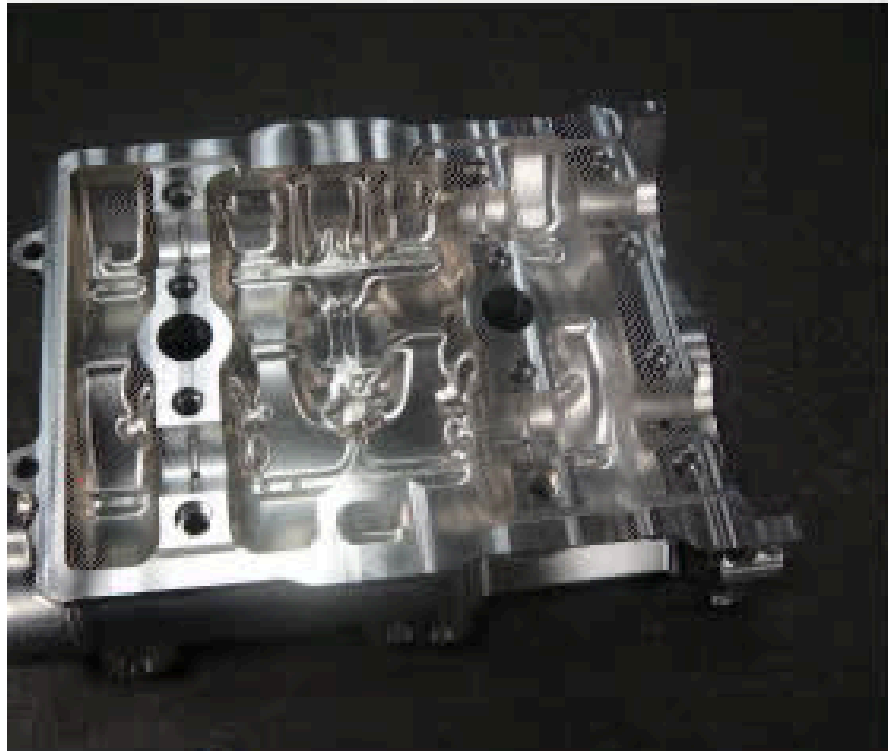
**OPENMIND**

5 Axis CAM

**SOLIDWORKS**

Solidworks 2016  
CAD





The workshop have been reinforced with the purchasement of new high- precision machines such as a 5-axis Moriseiki, five horizontal and vertical Mazak centers, three multitask machines (Mazak Integrex), a wire EDM Agie Chermille, and a sinker EDM. These new instruments allowed Bozzi S.p.A to increase its competitiveness.






## PRODUCTION DEPARTMENT / REPARTO PRODUTTIVO

TIPOLOGIA CNC	MARCA	MODELLO	N° ASSI	CORSE ASSI (X-Y-Z)	N° PALLET	VELOCITA' rpm	DATA ACQUISIZIONE	DATA FABBRICAZIONE
Centro di Lavoro Verticale	EMCO	E 600	4	600 X 500 x 500		13000	2008	2008
Centro di Lavoro Verticale	FAMUP	MCX-650	4	1200 X 450 x 550		4500	1989	1989
Centro di Lavoro Verticale	FAMUP	MCX-500	4	670 X 450 x 470		6000	1990	1990
Centro di Lavoro Verticale	FAMUP	MCX-600	4	500 X 300 x 200		3000	1996	1996
Centro di Lavoro Verticale	FAMUP	MCX-1000	4	600 X 400 x 400	2	9000	1997	1997
Centro di Lavoro Verticale	FAMUP	MCP-70	4	1100 X 480 x 470	2	9000	2000	2000
Centro di Lavoro Verticale	FAMUP	MCL-120	4	700 X 480 x 640	2	10000	2000	2000
Centro di Lavoro Orizzontale	MAZAK	FH-5800	4	1200 X 600 x 640		9000	2001	2001
Centro di Lavoro Verticale	MAZAK	NEXUS 510C	4	710 X 610 x 660	2	12000	2003	2003
Centro di Lavoro Verticale	MAZAK	NEXUS 510HS	4	1050 X 510 x 510		12000	2008	2008
Centro di Lavoro Orizzontale	MAZAK	NEXUS 5000	4	1050 X 510 x 510		12000	2011	2011
Centro di Lavoro Verticale	MAZAK	VCS430AL	4	800 X 710 x 710	2	15000	2014	2014
Centro di Lavoro Verticale	MAZAK	VT0820	4	560 X 430 x 510		12000	2012	2012
Centro di Lavoro Verticale	MORI SEIKI	NMV5000	5	3000 X 820 x 820		12000	2009	2009
Multitask	MAZAK	INTEGREX 300SY	5	730 X 510 x 510		12000	2001	2001
Multitask	MAZAK	INTEGREX 300I	5			6000	2014	2014
Multitask	MAZAK	INTEGREX 300IST	5			12000	2012	2012
Multitask	MAZAK	INTEGREX 200IVST	5			12000	2010	2010
Tornio	BIGLIA	131/S	3			12000	1989	1989
Tornio	BIGLIA	500	3			4000	1995	1995
Tornio	BIGLIA	501-8	3			4000	1997	1997
Tornio	MAZAK	QTN-200-2MSY	3			3200	2014	2014
Tornio	BIGLIA	B765Y3	3			8000	2009	2009
Tornio Fantina Mobile	MAZAK	NEXTURN LP18D	4			4000	2014	2014
Elettroerosione a filo	AGIE CHARMILLES	AGIECUT Classic V2	2	300 X 400		10000	2008	2008
Elettroerosione a tuffo	ONA	NCX-4	3	500 X 400 x 400			2013	2013
Prototipazione rapida a filo	DIMENSION	SST1200ES		250 X 250 X 250			2008	2008
Marcatore laser	LASIT	COMPACTMARK G7	-	600 X 400			2019	2019

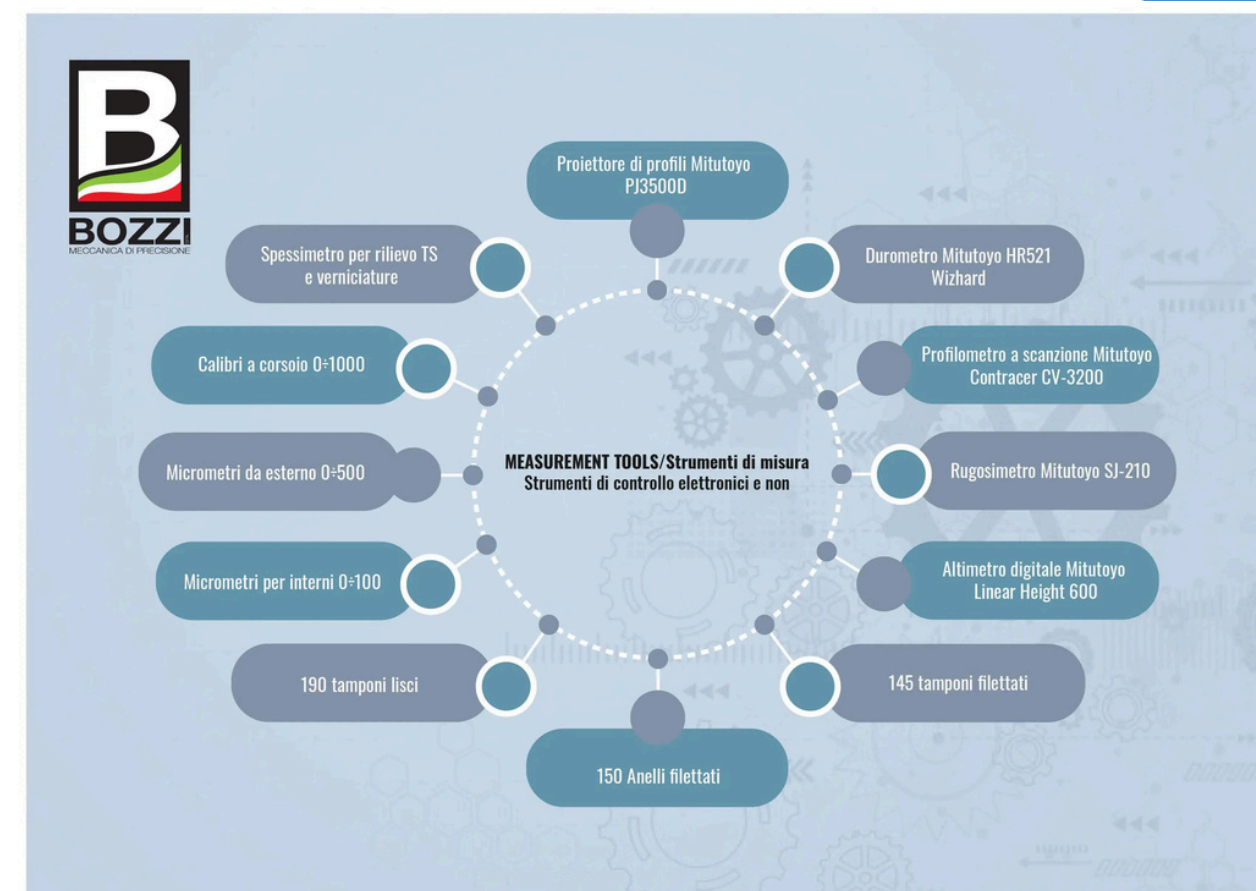
To support more complex kinds of machining, the metrological department has been greatly enhanced with the introduction over time of three new 3D measuring machines, which are necessary for complex testing and for the operations of start up machine, whenever a new production batch is started.

In addition, within the department, there are a digital heights meter, two profilometers, a durometer and every type of manual equipment.



### MEASURING MACHINE 3D/Macchine di misura 3D

TIPOLOGIA	MARCA	MODELLO	CAMPO DI MISURA	DIMENSIONE TAVOLA	SOFTWARE DI CONTROLLO	MODELLO 3D	PRECISIONE MPE:	DATA ACQUISIZIONE
Portale	Hexagon	DEA Global	700x1000x700	860x1160	PCadmis cad ++ 2012 MR1	SI	(1,54)/333	2010
Portale	Hexagon	DEA Global Performance	900x2000x800	1070x2700	PCadmis cad ++ 2012 MR1	SI	(1,84)/333	2012
Portale	Hexagon	DEA Global Silver	500x700x500	780x1020	PCadmis 2012 MR1	NO	(2,34)/300	2012



This kind of technology can be used for conceptual, functional and technical analysis such as the evaluation of a production cycle or machining time calculation.  
In addition can be used to product a little pre-series in ABS.



In 2019 Bozzi S.p.A. invested on the “Compact Mark G7” laser machine.

Considered at top of the range among the laser markers, it can engrave linear, slanted or curved texts, pictures, BAR and QR codes on any kind of material on flat or curved surfaces with any kind of roughness. Compact Mark G7 workbench dimension is 800mm x 450mm x 400mm and is equipped with a removable motorized spindle.

