



PASSION AND ENTHUSIASM FOR INDUCTION HARDENING



TIB S.R.L. VIA FERMI 58/60 – 10091 – ALPIGNANO (TO)

**INDUCTION HARDENING AND RELAXING
ON LARGE AND SMALL PRODUCTION MECHANICAL PARTS
SMALL AND MEDIUM SIZED**

A 25 YEARS LONG EXPERTISE

TIB s.r.l. was established in 1987 when its founders - already with more than a decade-long experience in the field of induction hardening - decided to make the most of their know-how and abilities. The first plant was a 200 sqm shed but just four years later - in 1991 - the production was moved to the new 2,800 sqm plant that it's still TIB's operational headquarter.



The current headquarter of Alpignano with 2,800 m²

Today a half of the space is dedicated to robotic cells and the other half to automatic and semiautomatic equipments.

KEYWORD IS... "A(C)TION"

Our priority is the VALORIZ-**A(C)TION** of your mechanical parts and we get it through:

VOC-A(C)TION: The know-how of an experienced staff vocated to establish a permanent **COLLABOR-A(C)TION** with our clients to help optimize their productivity by offering solutions tailored for every type of business.

ORGANIS-A(C)TION: Lean, fast and competent structure able to answer to different mechanical needs in short time while respecting high production and quality standards. The parts received are put in process in a few hours and in special cases we can provide a near continuous availability.

INNOV-A(C)TION: Facing an increasingly demanding and constantly evolving market TIB continues to invest in human resources, new technologies and automation thus maintaining high quality standards while reducing the processing costs.

CERTIFIC-A(C)TION and quality management: TIB receives the semi-finished parts to be subjected to the hardening treatment and at each step carries out the necessary checks and tests in order to monitor the compliance of the production process to the standards required by the **UNI EN ISO 9001:2015** quality management system or according to specific customer requirements. At the time of delivery we are therefore able to provide the customer with the certificate of conformity for the heat treatment applied to his parts.

THE INDUCTION HARDENING **BOUTIQUE**

Thanks to the great mastery in all aspects of its work TIB is able to offer customized services in order to meet the composite requirements and needs of its customers.

The skills of its specialized staff, the continuous and close relationships with equipment providers and technology partners and the steady investments in new technologies make TIB able to identify **the best technical and economic solution** for each job ensuring high levels of productivity, accuracy, reliability and flexibility.



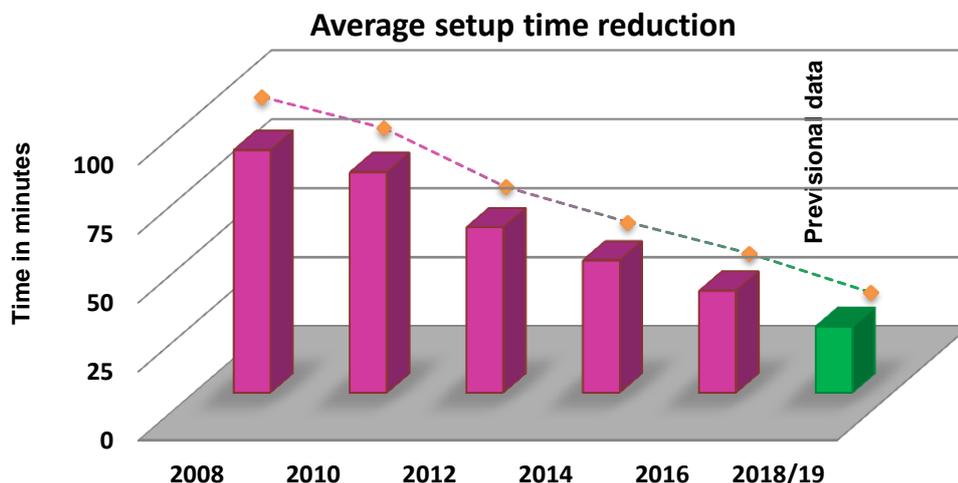
One of TIB's four robotic cells

PRODUCTION BATCH REDUCED TO A **MINIMUM**

The concept of "**production batch**" - usually a quite large lot of parts - was introduced to spread over a longer time the impact of times and costs for set-ups, production start-up approvals and so on.

TIB production process - through continuous investments in technologies and engineering solutions - got almost completely rid of the concept of "big lot" creating innovative and flexible automated systems capable of producing a wide variety of products, whether in **small batches, as customers need today**.

The set-up operations have been turned into quick and simple operations that our skilled operators can execute steadily and efficiently.



OUR "WORKS"

Using high-frequency inductive generators and computerized ovens with forced ventilation TIB operates induction hardening and subsequent drawing of large and small lots of small and medium sized mechanical parts, ranging from a few grams to some kilograms, such as sleeves, rollers, engine valves, gearbox parts, levers, forks, gears and pulleys, shafts, ball pins and so on.

Our systems constantly monitor all parameters such as voltage, current, frequency, temperature and flows pressure allowing the realization of stable, versatile and flexible treatment cycles for any application.



Examples of treated products

TIB AND THE ENVIRONMENT

Quality of product, labor and environment

"Three elements that TIB considers inseparables"

Our high-tech production systems guarantee the high quality of our finished products that are manufactured in an environment where safety and environmental friendliness are at the highest levels.

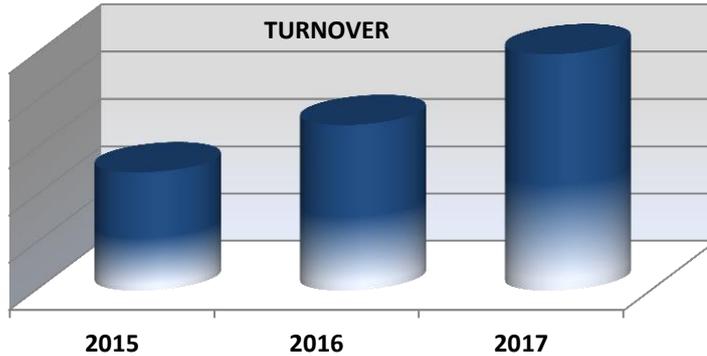
We are equipped with electrostatic cells air purification systems that capture the pollution produced by the treatments. Moreover, the use of a closed circuit for industrial waters coupled to a system to purify and recover the water from exhausted emulsions (**developed and patented**

by us) allows us to reduce to a mere **5%** the amount of liquid waste to dispose and allows us to **greatly limit the water consumption and the environmental impact.**

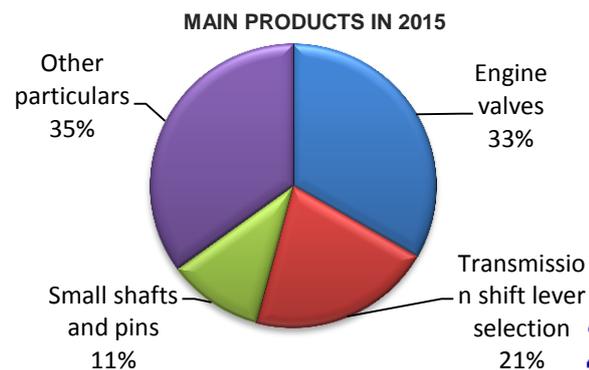
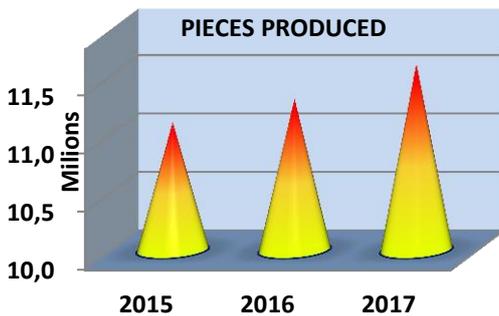


OUR NUMBERS

In 2017 the turnover of TIB has grown +15% over the previous year. The investments have been increased by the 6% over the previous year, thus giving a further big boost to the technology and quality growth trend TIB is facing in the last years.



MANUFACTURING PLANTS	
Nr.	Description
10	Fully automatic systems (3 with robots)
11	Semi-automatic systems
2	Electric ovens computerized forced ventilation



ACCIDENT SEVERITY RATE INDICES		
Year	AFR (Accident frequency rate)	ASR (Accident severity rate)
2017	0(zero)	0(zero)
2016	0(zero)	0(zero)
2015	0(zero)	0(zero)

OUR CLIENTS DRIVE US

Thanks to our 25 years long experience TIB is proud to include among its clients primary industrial groups and market leaders, confirming the quality and reliability of our services.

Among the customers, who rely on TIB since many years, we can include:

- PEUGEOT JAPY INDUSTRIES SA (France)
- G.K.N. SINTER METAL GROUP. S.p.a. (MI)
- OFFICINE VICA S.p.a. (TO)
- C.L.N. GROUP S.p.a. (TO)
- TORNERIA SERRA S.r.l. (TO)
- ANNIBALE VITERIE S.p.a. (CN)
- A.G. PORTA S.p.a. (TO)
- MIROGLIO & C. S.p.a. (TO)
- SCARPA & COLOMBO S.r.l. (MI)
- FRAP S.p.a. (TO)
- RACCORDERIE TAA S.p.a. (NO)
- TECNOSTAR S.r.l. (TO)
- OSVAT S.r.l. (TO)
- SAVIO MACCHINE TESSILI S.p.a. (PN)

CONTROL INSTRUMENTS

TIB uses for its approval of production start-up and during the production cycle, the following control tools:

EQUIPMENT	BUILDER	TYPE AND MODEL	U.M
Durometer	Galileo	Ergotest Comp 25	HRC
Durometer	Mim	Idromim 4060	HRA
Durometer	Mim	Idromim 4060	HRC
Microdurometer	Frank	Type 38536	HV
Microdurometer	Affri	HV10AC	HV
Microdurometer	Affri	DM2D	HV
Block Hardness	Ltf-Galileo	Block Hardness	HRA
Block Hardness	Euro products	Block micro Vickers	HV
Block Hardness	Ltf-Galileo	Block Hardness	HRC
Block Hardness	Euro products	Block Hardness	HRC
Lenses	Carton	Scale Lupe 10X	Dec.
Vernier Caliper	Mitutoyo	CD-15APX	Cent.
Magneto-Inductive	Magiscop	CGM 9169	

PREVENTIVE MEASURES AND RISK PROTECTION

TIB implement all preventive measures aimed to eliminate or, if the same is not practically feasible, to reduce risks that can generate non-conforming parts.

Anyway for the protection of all customers and to limit the impact on the business itself, TIB has taken out an insurance policy with a leading Italian insurance group against the risks by a defective product. This cover is also extended to any recall action.

UnipolSai ASSICURAZIONI Divisione LA PREVIDENTE 

1 003 00000 00113905634

2028 **Polizza** 1 003 00000 00113905634

RESPONSABILITÀ CIVILE DELL'IMPRESA
Scheda di Polizza

NUMERO POLIZZA 1/51168/61/132440180
AGENZIA RIVOLI CODICE SUBAGENZIA 2 -

Contraente/Assicurato T.I.B. SRL
Domicilio VIA ENRICO FERMI, 58/60 - 10091 ALPIGNANO - TO
Codice Fiscale 09879870013

DATI GENERALI			
Effetto polizza	01/02/2016	Scadenza polizza	31/12/2017
Scadenza prima rata	30/06/2016	Frazionamento premio	SEMESTRALE
Convenzione	NO	Campagna di vendita	NO
Vincolo	NO	Tacito rinnovo	SI
Regolazione Premio	SI	Indicizzazione	NO

PREMI IN EURO					
PREMI DI RATA	Netto	Oneri per il frazionamento	Imponibile	Imposte	TOTALE
Rata alla firma					
Rate successive					
PREMI DI SEZIONE					
PREMIO ANNUO IN EURO					

UBICAZIONE - DESCRIZIONE ATTIVITÀ

Indirizzo: FERMI 58
Comune: ALPIGNANO Prov: TO
Classificazione del rischio: 24015 AUTOVEICOLI E LORO PARTI - AUTOCISTERNE E AUTOBOTTI , RIBALTABILI PER VEICOLI E TELAI PER AUTOVEICOLI (SOLO PRODUZIONE)
Descrizione delle attività e/o di prodotti venduti: TEMPRA AD INDUZIONE E DISTENSIONE SU GRANDI E PICCOLE PRODUZIONI DI PARTICOLARI MECCANICI DI PICCOLE E MEDIE DIMENSIONI.

GARANZIE PRESTATE			
SEZIONE RESPONSABILITÀ CIVILE PRODOTTI	Massimale	Tasso	Premio annuo netto (1)
R.C. prodotti	5.000.000,00		
GARANZIA BASE Importo fatturato: 1.200.000,00		3,07	

Totale premio tassabile
(1) Il Premio Annuo di ogni garanzia è anticipato in via provvisoria e soggetto a regolazione premio in base alle condizioni di assicurazione. Questo importo costituisce il PREMIO MINIMO comunque dovuto alla Società per ogni garanzia e per ogni anno assicurativo.

Cod.	Condizione particolare prestata
18	Ritiro dei prodotti fabbricati dall'Assicurato

INFORMAZIONI RELATIVE AI PREMI

Il presente contratto:

- È soggetto all'imposta sulle assicurazioni calcolata secondo le aliquote vigenti;
- non è soggetto ad adeguamento automatico per indicizzazione, come previsto dalle condizioni Generali di Assicurazione;
- è soggetto a regolazione del premio come da condizioni contenute nel fascicolo informativo.

I mezzi di pagamento consentiti dall'Impresa sono quelli previsti dalla normativa vigente.
Periodicità del premio: le rate successive alla prima avranno cadenza semestrale.



WHY CHOOSE TIB?

Perhaps for more than 25 years of experience in the field of induction hardening and for the vast expertise over many applications. Or for the short times taken by production start-up and delivery to the customer whether for large or small production batches. Maybe for our cutting-edge technology, for the accurate testing and the competitive costs. Perhaps for all these factors. In any case, the reasons for choosing **TIB** are numerous.

Per saperne di più:

www.tibsrl.it info@tibsrl.it

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