



Mechanical turnery / high-precision turnery

Bianchi Angelo &C. S.r.l.



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“Bianchi Angelo &C. S.r.l.” is an Italian company which supplies mechanical high-precision products achieved using bar, wire and pressing. This company was founded in Brignano Gera d’Adda (BG) in the year 1960. Expertise and high degree of specialization are two essential requirements. The company can supply details with a diameter of 2 mm up to 55 mm. Moreover, all of our products are characterized by high quality and high degree of specialization as a guarantee of excellent performance. The staff of 15 employees and the machine park of 20 lathes today allow “Bianchi Angelo &C. S.r.l.” to serve a vast customer portfolio that spans to the most diverse sectors such as electrical, sanitary, white goods, etc.

Number of machineries: 20

Number of employees: 15

Turnover: 3.000.000 - 5.000.000

Number of mechanical high-precision products: 40.000.000

Our Company

1960 *The start*

The foundation of “Luigina Nisoli Snc.”;

1984 *The acquisition*

The foundation was followed in 1984 by the acquisition of “Bianchi Metalli S.r.l.”, leader in the marketing of iron and not for turnings;

1988 *The establishment*

The establishment of “Bianchi Angelo S.r.l.”;

1997 *The first approval for Enel*

The first approval for Enel (National Electricity Board) on socket contacts and plugs;

2001 *The second approval for Enel*

The second approval for Enel on socket contacts and plugs;

2003 *The installation of the first single spindle lathes*

The installation of the first single spindle lathes with number control (Gildemeister);

2005 *Transfer*

Bianchi Angelo S.r.l.” moves to the new site in 2005;

2007 *Installation of the first mechanical multi-spindles Gildemeister*

Installation of the first mechanical multi-spindles Gildemeister with automated bar loading Lemca;

2011 *New installation*

Installation of the Trans-bar machine with number control “Buffoli”, capable of reaching up to 55 mm;

2013 *The crisis*

Due to the crisis in the metallurgical sector, “Bianchi Angelo S.r.l.” presents the procedure of pre-emptive arrangement in continuity in order to preserve their know-how;

2018 *The comeback*

Bianchi Angelo S.r.l.” closed positively the procedure of pre-emptive arrangement in continuity 6 months in advance in Bergamo. The company continues its evolution with the acquisition of the new modified alcohol washing machine (IFP), with automatic loading of baskets;

2019 *Towards the future*

The program Mitutoyo for SPC (Statistical Process Control) was installed. SPC is a method of quality control which employs statistical methods to monitor and control a process. This helps to ensure that the process operates efficiently, producing more specification-conforming products with less waste.

Production Process

- **Technical support**

Support in the design phase in order to develop new products or eventually to modify some of them;

- **Turning**

A great number of new machines, always up to date, composed of automatic lathes flush (n°12 Eubama), mechanical multi-spindle lathes, (n°4 Gildemeister), single spindle lathes with number control for the most sophisticated productions (n°3 Gildemeister) and a transfer from bar (Trans-bar buffoli), which can mount 26 tools up a number control . Some local artisan use our transfer /work centers shooting;

- **Wash**

The standard modified alcohols process is facilitated by the automatic loading of the perforated boxes and the reading of the washing cycle according to the control plan. It is also possible to use ultrasounds for some special products. For components produced with materials subject to oxidation, the automatic use of a protective product can be selected;

- **Quality control**

“Bianchi Angelo S.r.l.” specializes in the production of fittings and small metal parts has adopted numerous quality checks, using different control instruments such as altimeters, on all its production processes, on the processing, on the equipment and on the selection of raw materials;

- **Support and maintenance**

Support and maintenance must be conducted by coordinated instruments, such as gauges, altimeters and intertexts and are usually done at the end of the production process;

- **Quality control**

The standard cycle includes checks every 20 minutes on all dimensions, while for different requests a statistical analysis through X-R cards customized verification cycles can be performed with regards to special requests;

- **Random checks**

We perform a one-off control on the chemical composition of a substance, using external laboratories.

“Bianchi Angelo S.r.l.” operates in a great number of sectors

As a matter of fact, the company can create special steels, which are alloys made from iron, nickel and other valuable ferrous metals which combine the typical mechanical characteristics of carbon steel with specific characteristics giving them resistance to corrosion; alloy steel, brass, various alloys of aluminium, stainless steel, copper, bronze. The company makes components for the electrical, hydro-sanitary, hydraulic and pneumatic sectors. The company has an extremely complex structure, especially in relation to compliance with the safety features required. The components branded “Bianchi Angelo &C. S.r.l.” are produced in batches ranging from 200 up to a few million units, guaranteeing a high level of perfection. High efficiency and flexibility, combined with the know-how and the expertise of our staff, allows the company to be a leader in the market of high precision mechanics.

• Oleo-dynamic industry

For the oleo-dynamic industry, our company produces: Threaded or unthreaded hose nozzles, nuts, quick couplings, bends, crimp collets.

• Plumbing/Sanitary industry

For this sector, the company produces: Threaded or unthreaded hose nozzles, nuts, bends, nipples, housings, shafts.

• Valves

It specializes in the production of bar drawn fittings for various industrial sectors one of which is the distribution of gas for domestic use. Specifically, for this sector the metalworking company the company produces: hose nozzles, valves, nuts, pistons, spring prongs, pins, inserts, ring nuts, rods, tap fittings.

• White goods industry

The company deals with production of fittings for the white goods industry. It specializes in the production of bar drawn fittings for various industrial sectors one of which is the white goods industry. The white goods industry includes all the companies that specialize in the production of domestic appliances, washing machines and other similar machines. Specifically, for this sector the metalworking company it produces: bodies, nuts, ring nuts, nipples, pins, nozzles, seal valves, shafts.

• Electricity industry

“Bianchi Angelo &C. S.r.l.”, which is located in Brignano Gera D’Adda (BG), can easily and perfectly produce joints, which are made from rolled or printed bars. These joints are destined in many sectors, such as the electrical sector. For this sector, the company produces: Plugs, contact pins, contact-tubes, connecting clamps, electrical energy auctions, screws, sliders.





Machines

Automatic machines:

- 01. Transfer from bar (maximum bar diameter 55);
- 02. Single spindle lathes with number control GILDEMEISTER SPEED 20/11 LINEAR (maximum bar diameter 25);
- 01. Single spindle lathes with number control GILDEMEISTER GD12-7A LINEAR (maximum bar diameter 12);
- 12. Automatic lathes flush EUBAMA (machines for processing brass / iron wire with material removal);
- 04. Mechanical multi-spindle lathes GILDEMEISTER (maximum bar diameter 25);
- 01. Automatic hacksaw Gemini 802.

Machines for recoveries:

- 04. Transfer Swivel heads (for holes, threads and milling);
- 02. Transfer (checking and assembling pieces);
- 02. WALCO riveting machines (assembly with riveting).

Washing machines:

- 01. KP. HMA IFP Washing machine with loading automatic that use alcohol and ultrasound.

Tooling department:

- 01. Automated warehouse with inventory management in order to reduce downtime costs and related delivery times;
- 01. Wire EDM Agie Charmilles.
- 01. Vertical warehouse Modula Lift ME50



Certifications

Since the beginning of its activity, “Bianchi Angelo &C. S.r.l.” has pursued the objective of customer satisfaction, always paying attention to the signals, coming from the market. In order to ensure the continuity of the company in the medium and long term and the relationships with customers, employees and suppliers, the company, which is based on its strengths such as flexibility, responsiveness, experience and training of its staff, promotes a continuous improvement, by emphasizing the prevention of defects and the reduction of variability and losses in the supply chain. Moreover, the company, which operates mainly in the electrical field, has obtained from Enel some approvals for plugs, sockets and terminal blocks. We are the ideal partners for companies, who must certify their products!

According to the ENEL certifications, the company must follow some indications, which allow “Bianchi Angelo &C. S.r.l.” to:

- correctly plan any processing;
- carefully plan random checks;
- monitor the production process from start to finish.

In order to guarantee services, which are always faster and more flexible, the company performs minimum tolerance tests on the product. As a matter of fact, during the production cycle, the company carries out a statistical and strict control of the goods, to avoid even the most microscopic imperfection. The entire production process is constantly monitored and traced with the compilation of precise data sheets. The control process is performed with a software for data collection and analysis.

Control systems

The company has the following control instruments:

- | | | | | |
|--------------------------|---------------------|----------------|--------------|---------------|
| 1. PROFILOMETRE | 2. ROUGHNESS TESTER | 3. DUROMETER | 4. PROJECTOR | 5. MICROSCOPE |
| 6. CAMERA OPTICAL SYSTEM | 7. ALTIMETERS | 8. MICROMETERS | 9. GAUGES | 10. LOOPS |

The company’s aim is to maintain a high level of professionalism, high quality services and quality products, in order to fully satisfy customers. Furthermore, the company’s production is 100% traceable. Recently, the company has been working to obtain the Iso 9001:2015 certification.

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