



AZUREA, A UNIQUE WATCH MANUFACTURER

Azurea is a company that was founded more than 100 years ago and it has steadfastly remained independent. Something that is demonstrated by the fact that all shares are held by the Executive Management and the Board of Directors. Specialising in the production of watch components, Azurea has implemented vertical integration of the manufacturing stages for its parts to ensure the independence of the company and to guarantee short cycle times.



This feat makes the company highly responsive to the extremely demanding requirements of its customers and enables it to offer a vast range of different components. Azurea heavily invests in its human resources and believes the highly skilled staff are the heart of the company and the business does everything in its power to ensure consistent staff training.

At present, the company is manufacturing at four production sites: three in Switzerland and 1 in Portugal. Working in the fields of watch making, equipment industry and gauge and measuring device production, Azurea has a historic site Moutier where production is focused on movement components for the most important watch manufacturers. At the site in Bévillard, the company activities

comprise of any subcontract work relating to the equipment industry for a large number of extremely diverse customers. The latter come from varied fields such as medical, aerospace and automotive industries.

The company's site in Porto is equipped with state-of-the-art technology. Gauges and measuring devices are produced in Belprahon, a village located at a stone's throw from Moutier.

Based on its vast expertise and on more than 100 years of experience, the enterprise is extremely flexible and responsive with regards to the demands of its customers.

Azurea does everything in its power to control the technical processes by sustained and target-oriented investment; advanced technological monitoring is

Presentation



THE STRONG POINTS OF AZUREA SA

Over the years, the Azurea Group has gained vast skills and this know-how makes the company truly unique.

- Assembly
- Quality control
- Bar turning
- Watch decoration
- Engineering
- Electrical discharge machining
- Engraving
- Measurement engineering
- Polishing
- Thread rolling
- Gear cutting
- Surface treatment (gold plating, nickel plating, rhodanizing)
- Heat treatment/bluing
- CNC machining
- Face lapping

TORNOS MACHINE FLEET

- 26 Tornos Deco 10 machines
- 2 Tornos Deco 13 machines
- 6 Tornos SwissNano machines
- 4 Tornos EvoDeco 10 machines
- 1 Tornos EvoDeco 16 machines
- 3 Tornos MultiSwiss 6x14 machines

All in all, Azurea owns 88 CNC machines and 19 cam-type machines that are still in operation.

implemented to ensure optimum efficiency in its production departments. Given its perpetual striving for excellence, it was not surprising that the company took notice of the impressive Tornos MultiSwiss 6x14 machine.

Usually, multispindle machines are widely spread in the automotive industry. In the watch making industry, this kind of machine is rarely used. If such machines are used at all, they are to be found in the large batch production of winding buttons and screws. Accustomed with the technical challenge, Azurea took up the gauntlet and began to produce a barrel drum by gear cutting on a machine – this is made possible by the Y axis option on the MultiSwiss.

The MultiSwiss boasts a unique machine concept with its 6 spindles. Each spindle has its own Z axis, the machine comes close to a classic Swiss-type lathe. Moreover, it boasts optimum accessibility and is easy to manage. Programming is done





sequentially, the TB-Deco software brilliantly performs synchronization and the machine can be programmed directly via its PC.

The hybrid configuration of the MultiSwiss enables the operators to easily switch from a Swiss-type lathe to this multispindle machine. In addition, two operators can easily operate the 3 machines; this ratio would be less favorable if single-spindle lathes were used for this type of workpieces.

"Yes, we have focused on the MultiSwiss because this is the only machine that was able to satisfy our needs," Mr. Uhlmann, CEO of the Azurea Group declares. "We needed a machine that was able to produce large batches with uncompromising quality. Eight to 10 high-end single-spindle machines would probably be necessary to achieve the productivity that is offered by our three MultiSwiss machines. Considerable footprint saving is another benefit that speaks in favor of the MultiSwiss. With its integral peripheral devices, the machine is extremely compact," the CEO concludes.

Despite the high throughput, the part quality obtained is equivalent to the quality that is achieved on single-spindle machines. The MultiSwiss thus does a perfect job and effectively and rapidly responds to the demands of Azurea's customers.

For detailed information on Azurea, please refer to the www.azurea.ch website.



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