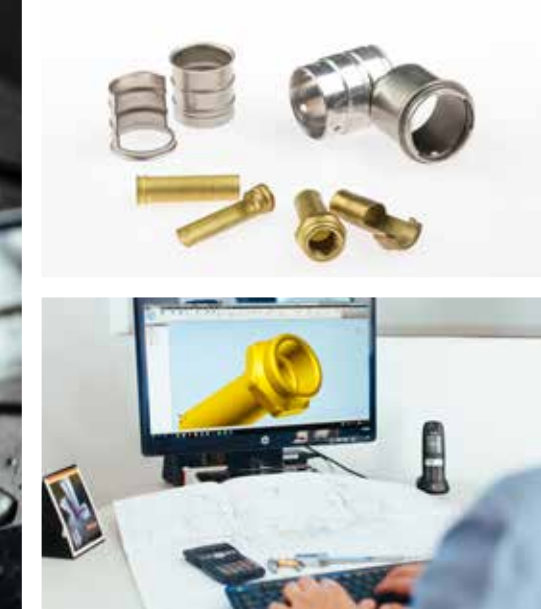
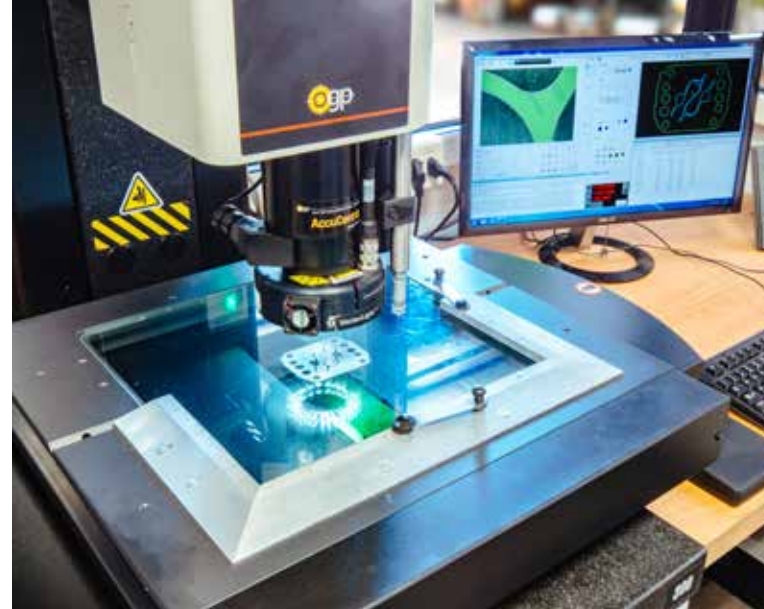




**PRECISION PRESSINGS AND DEEP-DRAWN STAMPINGS**







## ENGINEERING

### ■ RAPID PROTOTYPING

Using this rapid prototyping service allows our experienced metal stampings tool makers to look over your product and help with design for manufacture.

### ■ RAPID PROTOTYPING TOOLING

### ■ TOOLING DESIGN

Our tool designers specify how each tool will be manufactured, ensuring correct steel selection.

### ■ DIMENSIONS AND TOLERANCES

About progressive die stampings

- Material thicknesses: 0.1 to 5.0 mm;
- Finished part tolerances are as low as  $\pm 0.02$  mm.

About deep drawn parts:

- Wall thicknesses: 0.1 to 1.0 mm;
- Parts up to a length of 50 mm;
- Finished part tolerances are as low as  $\pm 0.02$  mm.

## QUALITY FACTS

- ISO9001 certified
- Product and raw material traceability along all the processes
- Key elements of ISO/TS 16949 (FMEA, PPAP, MSA, SPC) applied. Customer complaint management through 4D/8D report
- Up-to-date measuring lab. And measuring equipments monitored through specific periodical calibration plans. Our "equipment park" includes optical and multisensor measuring machines, hardness and micro-hardness tester, surface roughness tester, height gages and traditional instruments such as calipers, micrometers and so on. In the production side are mainly employed go/no go gauges, dedicated jigs and in-line inspection cameras for high-runner products.
- ISO 9001 certified key sub-suppliers

## TOOLING AND TOOLSHOP

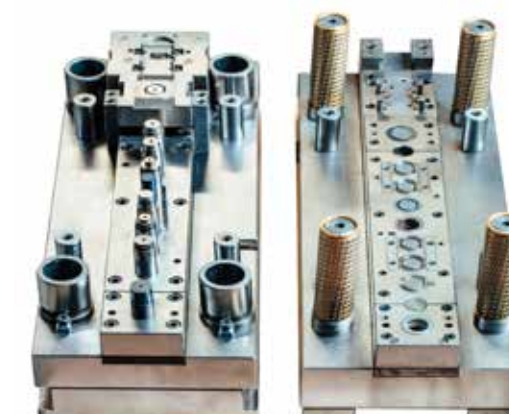
Our in-house toolroom is well equipped and is staffed by experienced mould toolmakers who work closely alongside our design team. Our toolroom offers all the principal toolmaking capabilities of wire erosion, milling machine, grinding and turning.

### Type of tools:

- Progressive dies
- Transfer dies for deep drawn metal parts (with thicknesses from 0.1 to 1.0 mm)
- Secondary in-line/off-line operations

Both Progressive and Transfer dies are composed of modular individual tools, carbide punching components, punches and anti-wear coated dies, in-tool protection systems, in-tool threading stations with automatic threading systems.

Mass production toolings are monitored through regular maintenance plans that, together with the competence of our tool technicians and a full range of tooling protection systems, ensure a long time of Services.







## DEEP DRAWING

The deep drawn metal stamping process gives deep drawn parts numerous advantages compared to traditionally machined, turned or molded parts.

The main advantages are:

- **Reduction of manufacturing costs**
- **Reduction of metal required to deep draw the part**

## STAMPING

The company specializes in the stamping of tight-tolerance, high-precision and light-gauge metal components. The company's stamping operations utilize leading automatic and precision metal stamping presses including Bruderer.

### ■ SECONDARY PROCESSES

#### **Mechanical surface treatment:**

- Deburring;
- Tumbling polishing;
- Brighi polishing;

#### **Cosmetic surface treatment:**

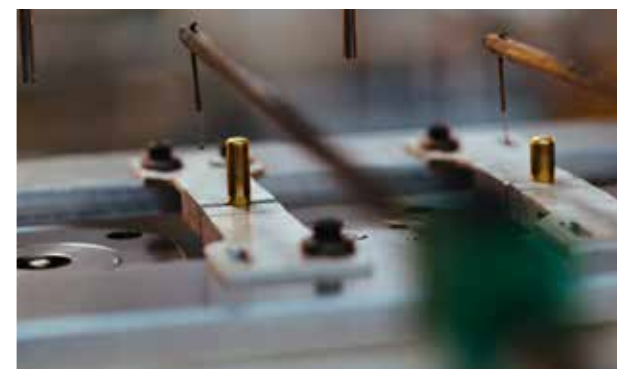
- Degreasing;
- Electropolishing
- Washing (in-house service);

#### **Electroplated surfaces:**

- Chrome plating;
- Nickel plating;
- Tin plating;
- Zinc plating

#### **Painting:**

- Powder painting
- Cataphoresis



## MATERIALS

VE-CA works with different types of metal coils such as:

- Aluminum
- Beryllium copper
- Brass
- Bronze
- Copper
- Galvanized steel
- Nicked alloys
- Phosphor bronze
- Plated stock
- Stainless steel
- Steel





# PRODUCTS



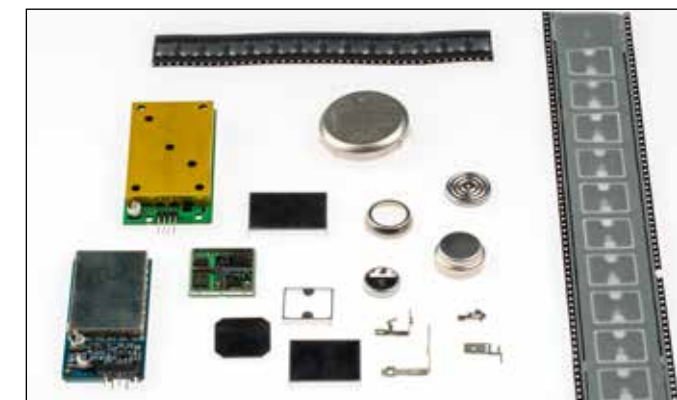
■ INSTRUMENTS



■ AUTOMOTIVE



■ PLUMBING



■ ELECTRONIC



■ HVAC





## THE COMPANY

**VE-CA was founded in 1976 by Venturi's family** who has grown the business over the next 30 years through a dedication to high-quality in the products and the service we provide our customers and a commitment to fairness. Today, these values remain at the heart of everything we do.

Our approach to production is based on the principles of Lean Manufacturing and a dedication to continuous improvement.

Our constant focus is to make processes more efficient and to reduce waste ensuring a competitive cost position in our market.



### **VE-CA srl**

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