



# WAGNER SYSTEMS

Producers of Fine Mechanics Components & Assemblies

**Wagner Systems is an ISO 9001:2015-certified contract manufacturer in the precision engineering industry, specializing in the production of fine mechanics components and assemblies.**

Wagner Systems, headquartered in Cape Town, South Africa, was established in 1965, and initially developed based on the skills and machinery of the European watch and clockmaking industry. The company subsequently broadened its activities as contract manufacturer from this established technology base to other market segments globally that require the production and assembly of fine mechanics components.

## OUR INDUSTRIES AND MARKETS

**We cater for a diverse array of industries and markets, including:**

- Mechanical
- Medtech (dental, cardiovascular, ophthalmology, micro-endoscopy, audiology and orthopaedics)
- Aerospace
- Radio astronomy
- General industry

## COMPREHENSIVE SERVICES

**Our comprehensive suite of services includes:**

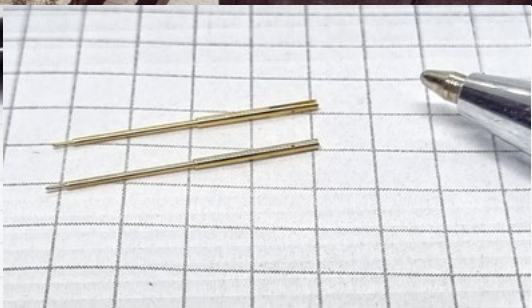
- Series and batch production of fine mechanics components and assemblies
- Production of components for prototype development
- Guidance on component design for manufacturability

## A WIDE RANGE OF CAPABILITIES

### 1. Machining capability

**We have the following machining capabilities:**

- CNC mill-turn
- Swiss turning
- CNC turning
- Manual turning
- Gear hobbing – spur gears only with  $\leq 1,0$  module;  $0,4 \text{ mm} \leq \text{workpiece } \varnothing \leq 35 \text{ mm}$
- CNC milling centre
- Broaching arrangements – pecking, rotary and “generative”



## 2. Secondary processes capability

### We offer the following secondary processes:

- Colour anodizing of titanium
- COLORIT® (Application of UV-curing ceramic-based paint)
- Passivation of stainless steel (ASTM A967)
- Chemical blackening of brass components
- Laser marking
- Manual polishing
- Deburring/polishing by means of vibratory finishing
- Ultrasonic cleaning
- Assembly of items

## 3. Tool and instrument making capabilities

### We produce the following categories of tools and instruments:

- Dental implant instruments made of hardenable stainless steel material to tight dimensional specifications
- Assembly of fine mechanics components
- Tooling for the tool and die / injection moulding industry

## DIVERSE PRODUCTION MATERIALS

### We work with a broad spectrum of production materials, including:

- Titanium
- Stainless steel
- Cobalt chromium
- Aluminium
- Brass
- Beryllium copper
- Oxygen-free copper
- Precious metal alloys
- Plastics such as PEEK, POM, Radel® and Teflon™

## SOURCING FROM TRUSTED SUPPLIERS

### We source the bulk of our raw materials and tooling from trusted suppliers in Switzerland.

## WHY USE US?



### INDUSTRY EXPERTISE AND IN-DEPTH MARKET KNOWLEDGE

We're an integral part of the global production landscape. Our expertise and deep understanding of our industry's dynamics enable us to meet manufacturing demands, and ensure compliance with design specifications and customer satisfaction right from the start.



### SWIFT SOLUTIONS AND EFFICIENT TURNAROUND

We're solutions-driven and committed to quick turnaround times, from the initial inquiry, through to order completion and delivery. Our flexible processes generally save valuable time for our customers, which ultimately enhance their productivity, output, and financial performance.



### GUIDANCE FOR NEW VENTURES

We acknowledge the unique challenges faced by startups and emerging players in the market. Our dedicated team offers invaluable guidance on prototype and product design, with a keen focus on optimizing component manufacturability for cost-effective production. This ensures a smooth transition from product development to the production stage, and provides peace of mind, knowing that customer specifications and manufacturing capabilities are compatible.

Choose Wagner Systems for excellence in fine mechanics components and assemblies. Count on our industry expertise, efficient processes, and unwavering commitment to secure the success of your project.

Wagner Systems (Pty) Ltd

19 Estmil Road, Diep River 7800, Cape Town, South Africa

Telephone: +27 21 715 8713

E-mail: [wagner@wagnersystems.co.za](mailto:wagner@wagnersystems.co.za)

[WWW.WAGNERSYSTEMS.CO.ZA](http://WWW.WAGNERSYSTEMS.CO.ZA)



Scan or click on the QR code to view a summary of Wagner Systems' products, materials, processes and industries.

