

Simply the best fixation.



FISSO
Swiss Made

Industrial Products

2025

Company history

- 1958 Foundation by Carlo Baitella
- 1973 Invention/development of the FISSO articulated arm
- 1974 Launch of the first articulated gauging arms
- 1980 Launch of the first arm for medical applications
- 1997 ISO 9001 / EN 46001 certification
- 2007 FISSO Rebranding (as today)
- 2020 New offices 6 floor in the ZH Oerlikon



Carlo Baitella 1958



First FISSO articulated arm,
patented in 1973



Uni Spital ZH 1980

Facts & Figures

- Market leader in manufacturing of articulated arms
- Production of approx. 70'000 articulated arms / a
- Manufacturing in Switzerland, Zurich Oerlikon
- More than 100 different models
- Global distribution
- Approx. 45 employees
- Articulated Arm contains approx. 30 pcs
- ISO 9001/ISO 13485 certified



The 4 Segments in the IP

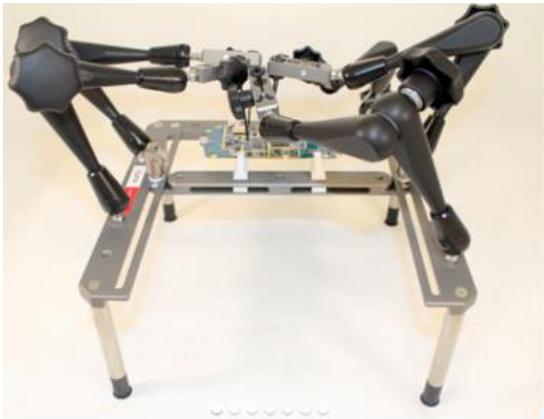
1. Metrology



2. Opto-Electronics



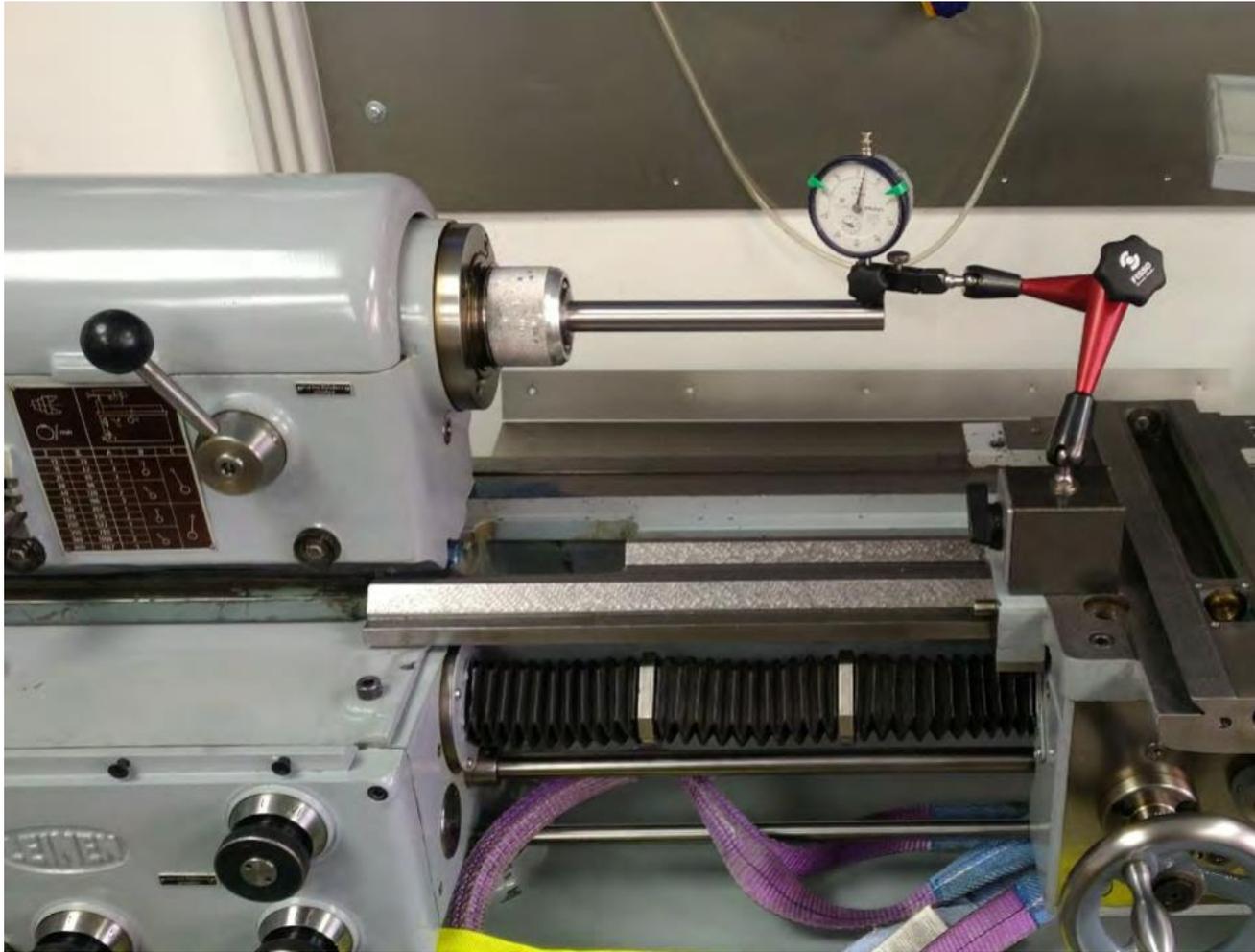
3. Miscellenous



4. Photo-Studio



Metrology



Simply the best fixation.

FISSO Portfolio in Metrology

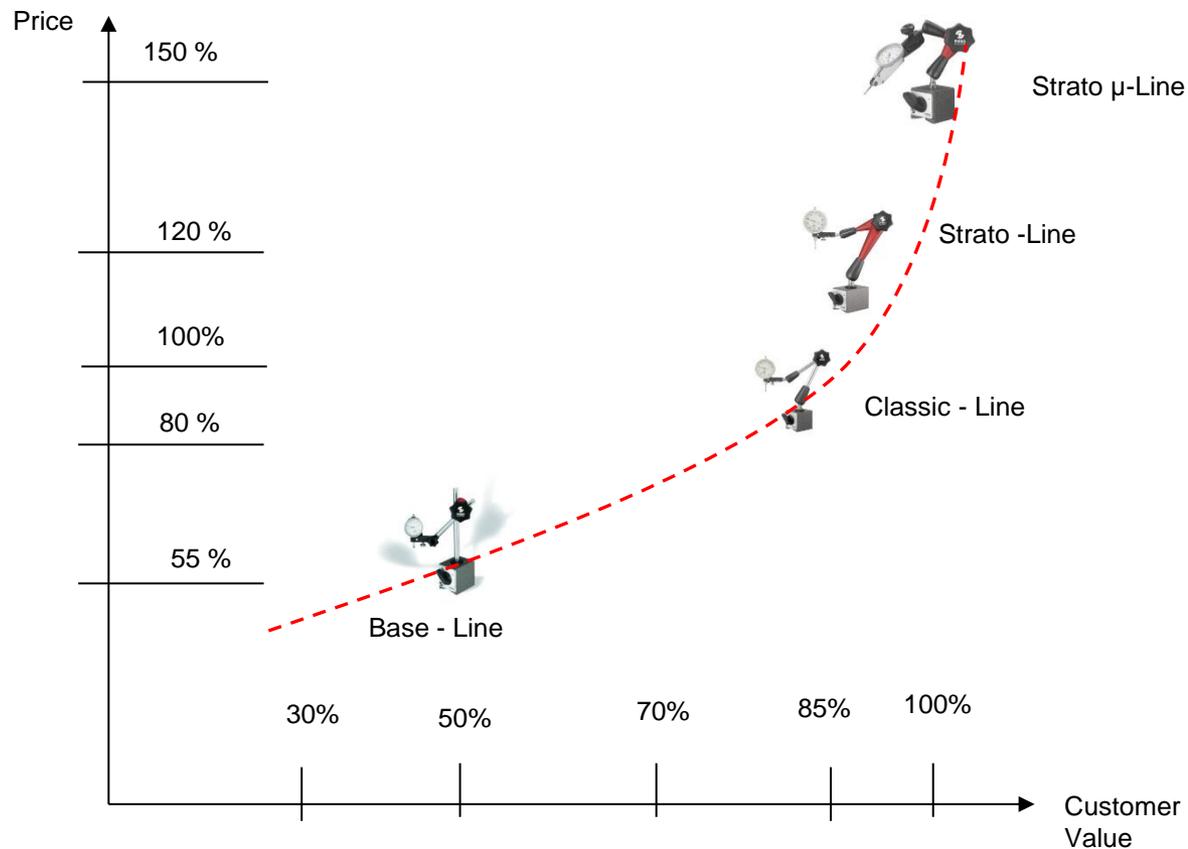
They are available in different versions and different sizes:

Strato μ -Line: the precise one for high-precision measurements, also available in four sizes.

Strato Line: the modern version made of red anodized, high-quality light metal, available in four sizes

Classic Line: the proven one made of steel with chrome-plated arm parts, available in six sizes

Base Line: the simple measuring stand for practical solutions, available in three sizes



Strato μ -Line

- for highest precision in the μ -range

- precision fine adjustment



- secure stable basis through granite sliding base or switch magnet



Strato Line

- maintenance free central tightening system



- zero-play fine adjustment



- secure, stable basis



Classic Line

3D-Articulated indicator holder



Fisso articulated arms can be positioned easily and precisely in the desired position.

Classic Line

- all 3 joints fixed safely with one handle



- precise positioning of the gauging instruments



- different top-quality bases



Base Line

- strong central clamping with robust aluminium clamping jaws



- precise microfine adjustment



- strong switch magnet with prism-shaped base



Product analysis-Benchmark main competitor

		
	Swiss	Israel - China
Portfolio	<ul style="list-style-type: none"> ➤ Approx. 15 articulated arm lengths ➤ Over 15 Bases (Magnetic, Vacuum, Granit..) ➤ 1 x fine and 1 x precision adjustment ➤ Over 10 holders/clamps 	<ul style="list-style-type: none"> ➤ 6 Articulated arm length ➤ 6 Bases ➤ 1x fine adjustment ➤ 2-3 holders/clamps
Arms Material	<ul style="list-style-type: none"> ➤ Steel(Classic) ➤ Alu- (Strato) ➤ Stainless (Medical) 	<ul style="list-style-type: none"> ➤ Alu
Clamping force generation	<ul style="list-style-type: none"> ➤ Mechanic 	<ul style="list-style-type: none"> ➤ Mechanic
Arm lenght (mm)	<ul style="list-style-type: none"> ➤ 130mm - 635 mm ➤ Medical L = 1000 mm 	<ul style="list-style-type: none"> ➤ 76 bis 507 mm ➤ Up to 800 mm (Power arm)
Holding Power (Nm)	<ul style="list-style-type: none"> ➤ 3 to 90 Nm ➤ 1 to 12 Kg 	<ul style="list-style-type: none"> ➤ Power Arm 10 to 25 Kg
Holding forcet Magnet (N)	<ul style="list-style-type: none"> ➤ from 150N to 3'000 N 	<ul style="list-style-type: none"> ➤ 200 N to 1'300 N
Fine Precision	<ul style="list-style-type: none"> ➤ Std = ca. 1.3 mm Stroke/rev ➤ Prec: ca. 0.1 mm Stroke/rev 	<ul style="list-style-type: none"> ➤ Std = ca. 1.3 mm Stroke/rev
Besonderheit /USPs	<ul style="list-style-type: none"> ➤ Wide Portfolio including long arms > 400 mm ➤ Deeper and very wide range of accessories ➤ Open for customized solutions (branding) ➤ Highest precision due to μ fine adjustment 	<ul style="list-style-type: none"> ➤ Mini arm < 80 mm ➤ Rotatable fine adjustment (if zero adjustment is very important, use the fine adjustment on the base)

Run-Out Tester



For efficient testing of external and internal surfaces on rotating parts in production as well as in the measuring room.

Technical data:

- Diameter compensation max. 60 mm
- Workpiece \varnothing max. 240 mm
- Workpiece weight max. 25 kg
- Groove stone width 14 mm

Balancing Units



The balancing device enables precise balancing of workpieces and grinding wheels.

Technical data:

- Workpiece \varnothing max. 500 mm
- Balance weight max. 25 kg
- Groove stone width 14 mm

Opto – Electronic and Machine Vision



Simply the best fixation.



FISSO Optoelectronic / Machine Vision

Mounting and holders for optoelectronic components

Distribution via System integrators => Automation projects at customers

Holders for



Vision Camera



Sensor



Laser/Lighting



Ind-Endoscope

Phase 2 Opto-Electronic

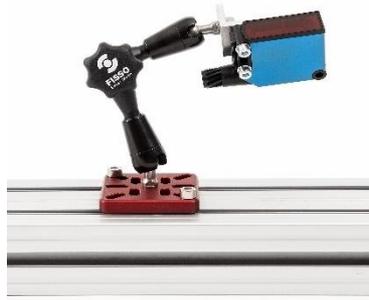
Current portfolio Sets

Camera Holders



OE20.10/OE26.10

Sensor Holders



OE13.10/OE13.20

Laser Holders



OE20.40/OE20.50

Endoscope Holder



OE44.10/OE44.20



Simply the best fixation.

Two examples OEM's

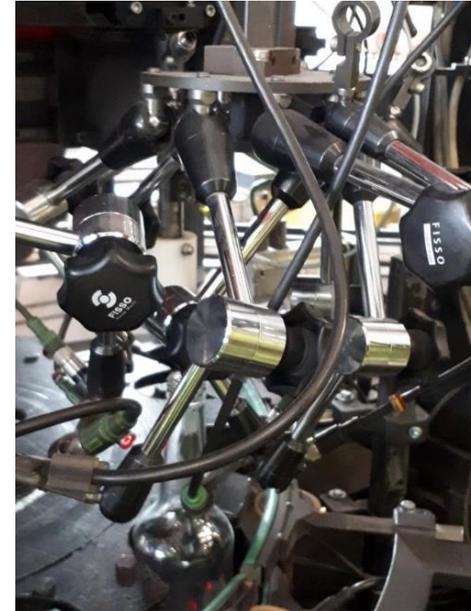
ZEVAC (CH) – Vision Camera holder



ZEVAC (CH) develops and produces machines for assembly and connection technology, including selective soldering, with a focus on repair systems and automated production systems for electronics manufacturing.

The Vision-Camera is firmly and securely mounted using a FISSO articulated arm (new Classic 1.640).

TIAMA (FR) – Sensor Holder



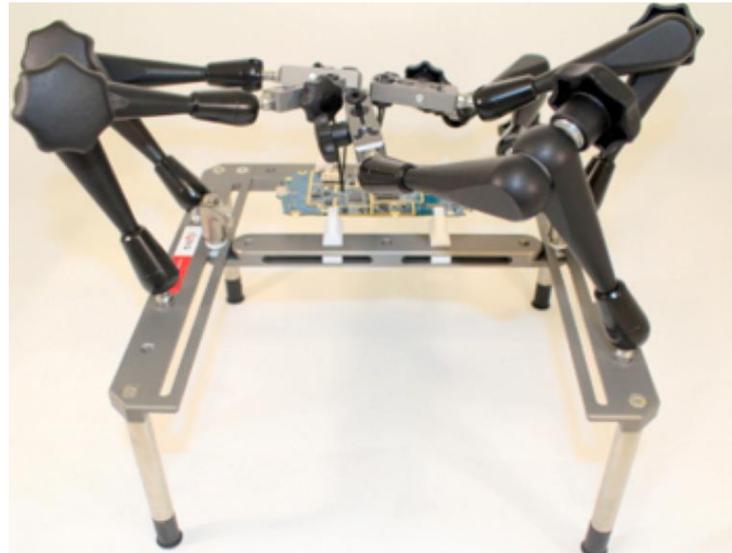
TIAMA (FR) is one of the world's leading providers of inspection and quality control solutions for the glass packaging industry. Its customers are bottle manufacturers.

The glass breakage detection sensor is firmly and securely mounted using a FISSO articulated arm (Classic 1.330-OEM version).

Simply the best fixation.



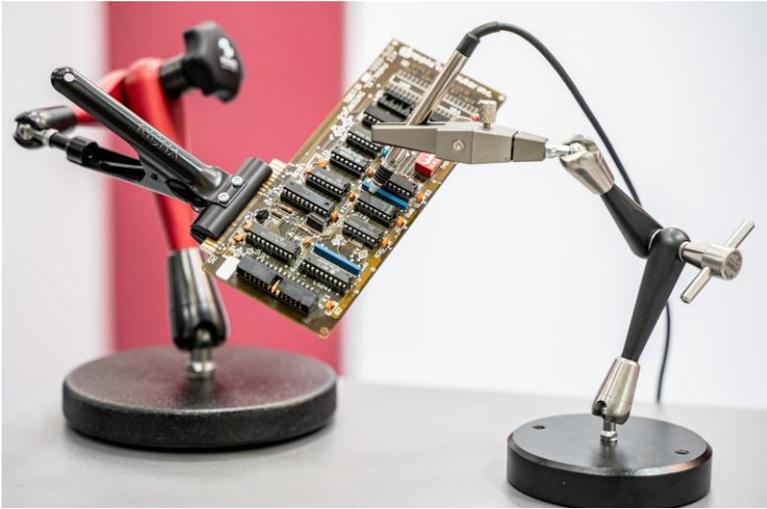
Third Hand Applications



FISSO Third Hand

Frequently OEM Business

Many applications can be found. Two examples here



PCB's und Elect.Parts holders



Armrest for watchmaker tables

FISSO Photo



Photostudio – Still-Life Photography

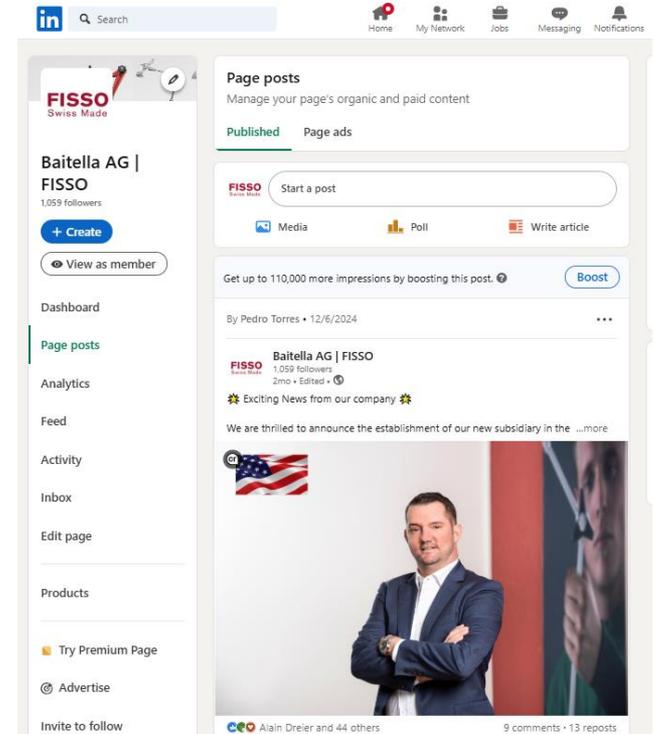


On Camera – Reflectors and Filters

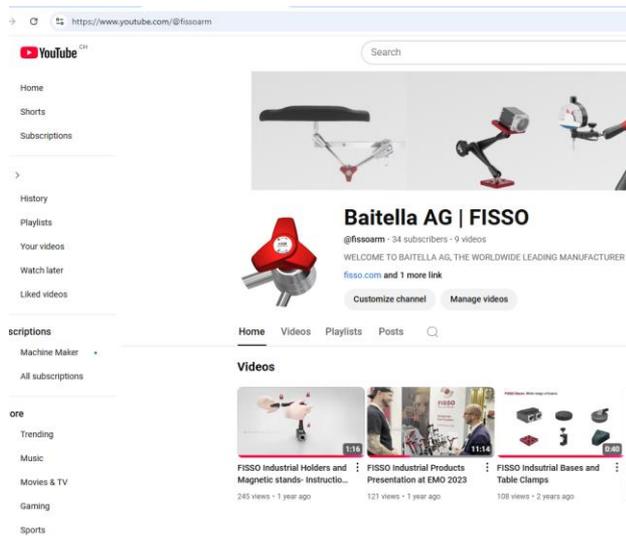
FISSO Online



www.fisso.com



<https://www.linkedin.com/company/baitella/?viewAsMember=true>



<https://www.youtube.com/@fissoarm>

Simply the best fixation.

