

EHRAT

Präzisions- und Feinmechanik



WE ARE HEROES

Because
we have the guts
for the impossible.
We solve problems
and every day we split
with passion
the thousandth.

With passion & enthusiasm

Every client is different and as individual your ideas and products are, as flexible are our services.

The only thing, which stays unaltered, is our commitment, professionalism and our experience. What you can also always count on, is transparency and predictability through unconditional and fixed prices based on latest technology.

Entrepreneurship and economic success depend on Partners which break new grounds.

Faster and faster are the markets transforming themselves. New legal regulations are enacted and accordingly are rising the demands on companies.

Opportunities and risks must be identified and the consequent measures to be implemented.

Technical know-how, experience and continuous training are required. Precision is our business. We are a highly specialized factory for machining of all metallic materials. In our small and agil traditional company we are milling and turning advanced parts for manufacturing systems engineering and apparatus construction. We are particularly strong in the production of highly-complex mechatronic sub-assembly for the machine industry.

Due to a powerful and well-developed machinery, there is virtually no task that we can not solve working in partnership with our clients.

All our employees are qualified professionals.

Together, we have a longstanding wealth of experience, which enables us to assume a variety of challenges and implement it in demanding manufacturing tasks.

Technology

CNC turning



CNC milling



flat and
cylindrical
grinding



honing and
lapping



conventional
manufacturing



ZERTIFIKAT

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT

Die Zertifizierungsstelle der Swiss TS Technical Services AG
bescheinigt, dass die Firma

Arnold Ehrat AG
CH-8820 Wädenswil

für den Geltungsbereich

Fabrikation von Komponenten der Fein- und
Präzisionsmechanik sowie Montage von
Baugruppen

ein Managementsystem eingeführt hat und anwendet nach:

ISO 9001:2008 Qualitymanagement

Registriernummer: 05-346-033
Erstzertifizierung: Nov. 1999
Rezertifizierung: 30.03.2015
Gültig bis: 02.03.2018

Heimrich A. Bieler
Leiter der Zertifizierungsstelle
Wädenswil, 31.03.2015
Zertifizierungsstelle
der Swiss TS Technical Services AG
Ein Unternehmen des SVTI und des TÜV SÜD



assembly of
component



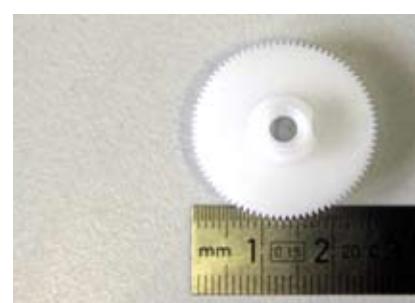
construction



CNC turning

Turning of highly precise components for assembly units in lot sizes up to 1000pcs and accuracy class up to H4.

Our machines are equipped with an c-axis and driven tools.



our machinery:

CB 32-M

x31 z80 7axis

Gildemeister CTX400

x200 z400 c360°

Nakamura TMC15

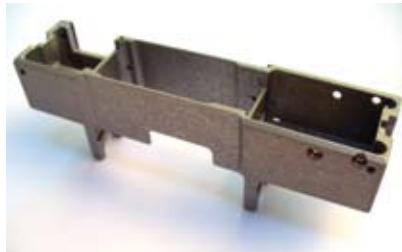
x45 z150



CNC milling

Milling of complex and highly precise components for assembly units.

All machines are equipped with an 4th Axis.



our machinery:
Kitamura My Zero
x300 y250 z300 a360°
Mori Seiki MV40
x700 y300 z300 a360°
Brother TC-S2D-O
x700 y300 z300 a360°
2x Brother Speedio S700X1
x300(700) y300 z300 a360°

flat and cylindrical grinding

Cylindrical grinding of highly precise tight fits up to H3.

shorter and more flexible manufacturing times



our machinery

Studer S40

x150 z500

Studer S20

x80 z500

Jakobsen flat grinding

x500 y300 z200



honing and lapping

Honing of tight fits up to H2 and surface quality up to N2.

shorter and more flexible manufacturing times

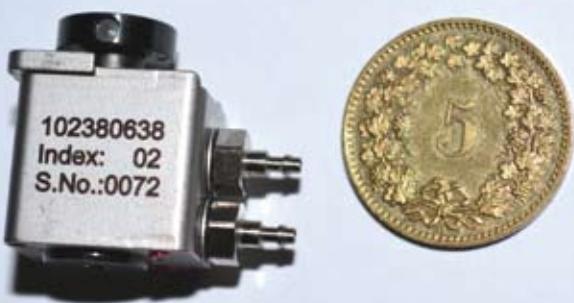


our machinery
Sunnen 1804
 $\varnothing 1.7 - \varnothing 62$
Flat lapping machine

conventional manufacturing

jig construction and
prototype manufacture

engraving and laser inscription
of serial number and additional
customer requirements like item
number or drawing number



our machinery
Deckel FP3
x400 y300 z300
Drehbank Weiler
x200 z500
Drehbank S102
x80 z80
Engraving machine Minelli
x200 y200 z100 a360°
Laser inscription machine Minelli
x100 y500 a360°



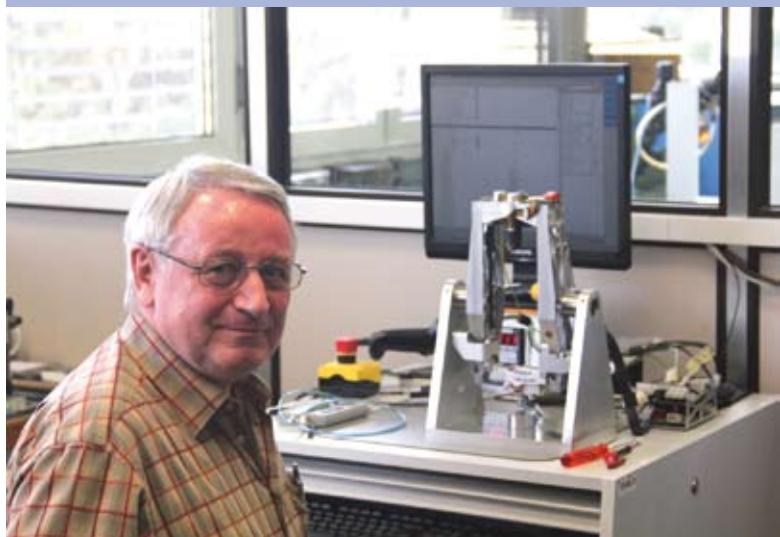
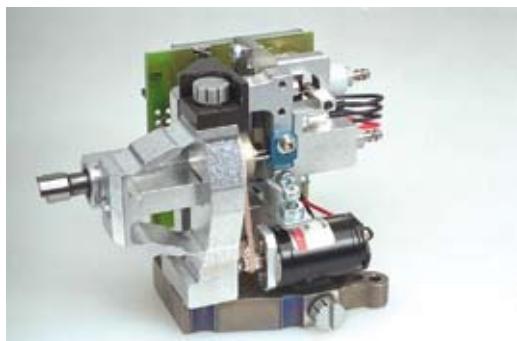
assembly of component

electromechanical assembling of assembly units and inspection and approval of all functions

soldering of smallest parts and contact pins on circuit boards

mechanically and electrically inspection and approval of all components

calibration of measuring equipment



our workstations
3 ESD protected installation sites
various measuring station
various inspection station

construction, services, in-house developments

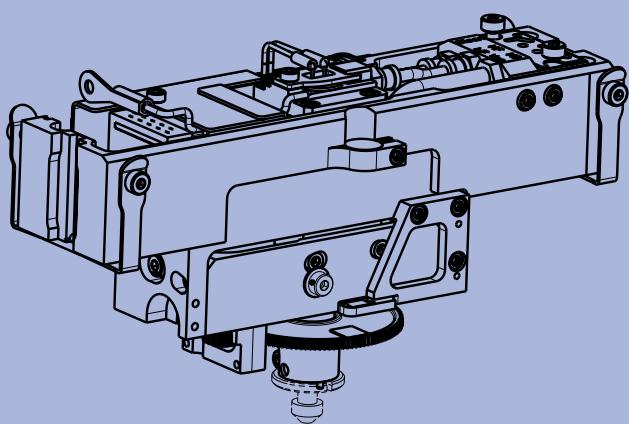
consulting with manufacturing
problems

cost analysis for various components

jig construction and clamping
devices

customer support for:

procurement problems
surface refinement



our location in Zurich

EHRAT

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implemented
regulations Opportunities
professionalism
transforming impossible
well-developed commitment
identified challenges machinery grounds
depend industry know-how accordingly
employees mechatronic technology
legal specialized particularly
count Technical
unaltered prices materials tasks flexible
always working lathing company virtually
also break
risks
Entrepreneurship
faster enables parts Due apparatus milling advanced New every
longstanding fixed factory precision day
based metallic qualified task highly guts
Partners required thing small business split
products Every training production
client traditional Faster construction
markets machine new can engineering unconditional
measures services systems must
passion
powerful solve Together demands
success variety different
manufacturing can strong individual transparency
economic implement problems
predictability partnership companies
enacted highly-complex thousandth enthusiasm
consequent