

Company Presentation

SEKELS GmbH

- Distribution
- Design & Production
- R&D and Measuring Services



SEKELS GmbH
Dieselstrasse 6
61239 Ober-Mörlen

Tel.: +49 6002 9379-0
Fax: +49 6002 9379-79
mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019

What we do ...

Expert distribution

- Nanocrystalline & amorphous toroidal & c-cores
- SiFe & NiFe laminations
- Lamination packages (E-cores)
- Accessories
- Inductive components
- Soft magnetic materials (NiFe, CoFe, SiFe, others)
- Shielding foil, shielding cans



Design, prototyping and production

- Customer-specific cores
- Inductive components
- Magnet systems
- Magnetic shielding

Measuring and R&D services

- Magnetic fields
- Shielding factors
- Material properties
- Measuring devices



SEKELS GmbH
Dieselstrasse 6
61239 Ober-Mörlen

Tel.: +49 6002 9379-0
Fax: +49 6002 9379-79
mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019

Founded 1993

Founded 1993 as agent of
VACUUMSCHMELZE GmbH & Co. KG

Today, the distribution is supplemented by design, development and production services of magnetic parts, components and systems

abt. 25 employees

abt. 600 customers in 40 countries

DIN EN ISO 9001:2015 certified for the design and development, production, warehousing and sales of electro-technical components, shielding, semi-finished products and inductive components



VAC®
 VACUUMSCHMELZE



SEKELS GmbH
 Dieselstrasse 6
 61239 Ober-Mörlen

Tel.: +49 6002 9379-0
 Fax: +49 6002 9379-79
 mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019

What we offer ...

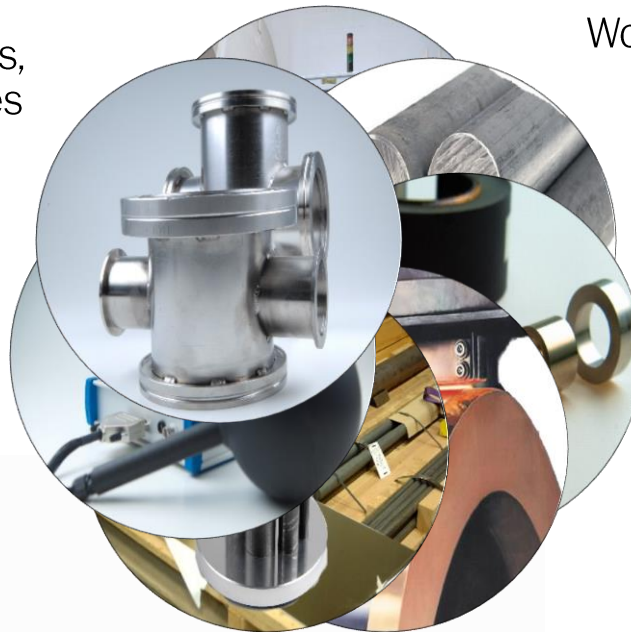
Comprehensive stock of soft-magnetic alloys, nanocrystalline & amorphous cores and inductive components

Production of parts, components and systems, from proto-types to series

Worldwide supply, professional logistics

Material processing, annealing

Competent technical consulting



Professional design of inductive components, magnetic shielding and magnet systems

Professional design of inductive components, magnetic shielding and magnet systems



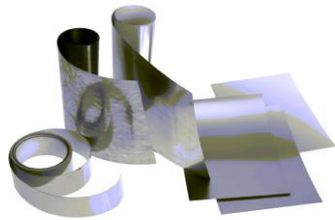
SEKELS GmbH
Dieselstrasse 6
61239 Ober-Mörlen

Tel.: +49 6002 9379-0
Fax: +49 6002 9379-79
mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019

VAC Distribution

VAC is a leading global manufacturer of advanced magnetic materials and related products



Soft magnetic and physical alloys



Nanocrystalline and amorphous tape-wound cores



Inductive components



Permanent magnets and systems

Product and application support



Comprehensive ware housing



Worldwide logistics



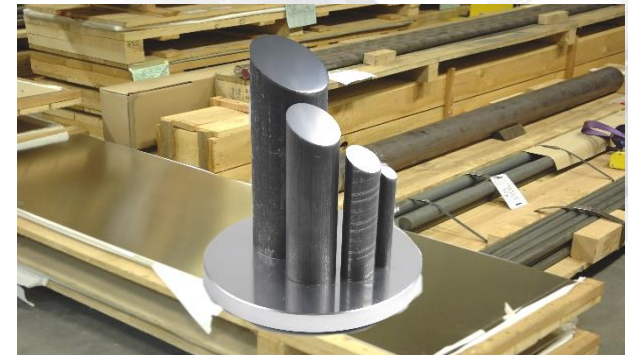
Fast availability of samples and series quantities

Products I

Soft Magnetic „Semis“

(strips, panels, rods,
slabs)

MUMETALL® / CRYOPERM®
ULTRAVAC® / PERMENORM®
VACOFLUX® / VACODUR®
VITROVAC® / VITROPERM®
SiFe, Soft Iron, Special Alloys



Strip-Wound Cores

(toroidal, c-cores)

Nanocrystalline / VITROPERM®
Amorphous / VITROVAC®
NiFe, SiFe

Laminations and Packages

(Standard and customer
specific)

MUMETALL®
PERMENORM®
TRAFOPERM®
VACOFLUX® / VACODUR®



Products II

Inductive Components

VAC standard components
High current common mode chokes
Customer specific solutions

Magnetic Shielding

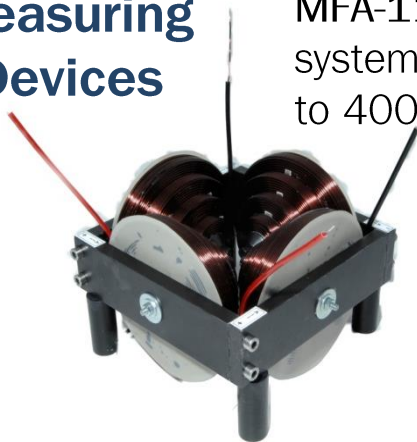
Foils, panels, cuts, cans, cabinets, systems

Magnet Systems

Elektrical or/and with permanent magnets

Measuring Devices

MFA-110 Measuring & analyzing system for magnetic fields from 1 Hz to 400 kHz



Magnetic Shielding

Shielding Foils

from MUMETALL®
and VITROVAC®

Fast solutions for „moderate”
shielding problems or
experimental testing

Shielding Tubes

from MUMETALL®

Cable shielding for special
applications (aerospace, defense)

Magnetic Shielding

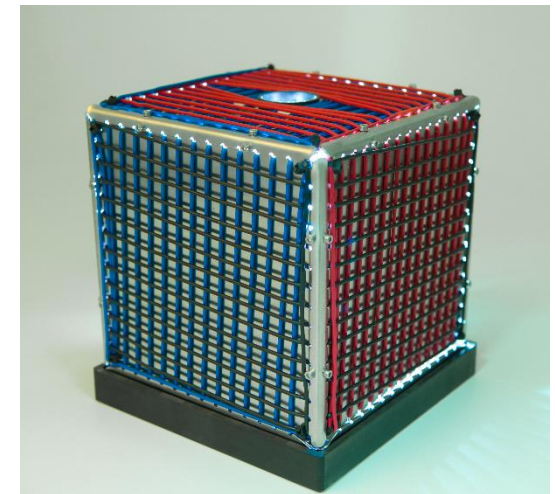
Customer-specific
solutions

Design, material selection, „proto-
typing“, annealing,
measurements, production

Computer controlled
measurements of shielding
factors or perturbation with high
spatial resolution

Shielding Systems

E. g.: HOMIE is based on
electrical currents to be able to
adjust the magnetic field strength
without mechanical changes



Services

Machining & Production

Value adding with our specific material know-how. From simple cuts to systems.

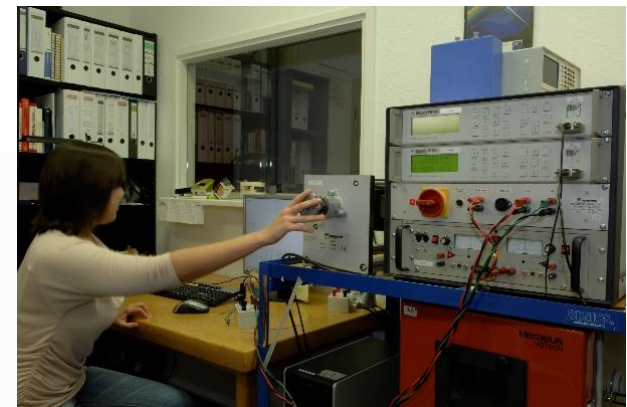
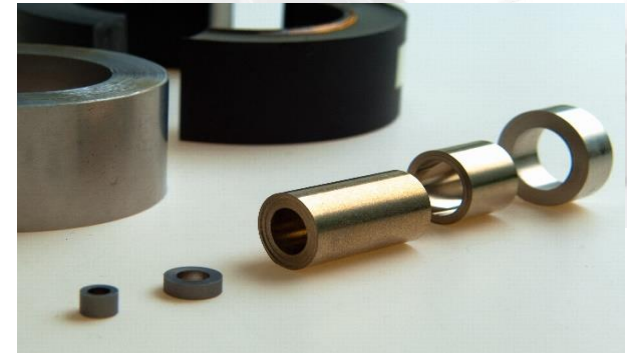
Annealing

Continuous or stationary. According to manufacturer recommendation, or customer specific

R&D and Measuring Services

Design support, magnetic measurements (fields, material properties), environmental testings, etc.

Temperature/humidity acc. to IEC 60068-2-38:2009



Material, technical support, production, annealing und quality assurance from one partner



SEKELS GmbH
Dieselstrasse 6
61239 Ober-Mörlen

Tel.: +49 6002 9379-0
Fax: +49 6002 9379-79
mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019

Contact

SEKELS GmbH
 Dieselstr. 6
 61239 Ober-Moerlen
 Germany

Tel. +49 (0) 6002 9379-0
 Fax +49 (0) 6002 9379-79
 mail@sekels.de
 www.sekels.de

Cores, Components,
 Laminations, Packages

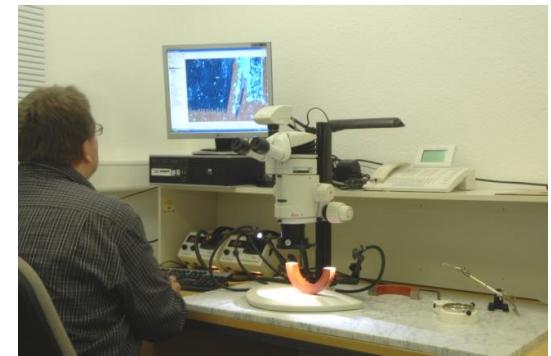
Barbara Schuch (-13)
 Markus Habicht (-20)

Magnetic Materials,
 Magnetic Shielding,
 Magnets

Ralf Gorr (-14)
 Dr. Stefan Hiebel (-46)

Product & Application
 Support

Ralf Wengerter (-16)



SEKELS GmbH
 Dieselstrasse 6
 61239 Ober-Mörlen

Tel.: +49 6002 9379-0
 Fax: +49 6002 9379-79
 mail@sekels.de
www.sekels.de

All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied on our part. Published by Sekels GmbH, Germany. All rights reserved. 2019