ZEZ SILKO
Get energized with us

POWER CAPACITORS & COMPONENTS

Power capacitors

www.zez-silko.com

COMPANY PROFILE



ZEZ SILKO s.r.o. is a reputable manufacturer of power capacitors, capacitors for power electronics, capacitors for induction heating and many other capacitor types. Company ZEZ SILKO s.r.o. provides complete power factor correction service including: power system evaluation including harmonic analysis, technical and commercial quotations, capacitor banks production and commissioning. Components for power factor correction and regulation of electrical energy are also supplied. ZEZ SILKO products are being exported to countries all around the world. They are for use on traction systems (locomotives, trams, troleybuses), green energy generation (wind and photovoltaic power plants), energy sector (power factor correction) and also induction heating equipment. ZEZ SILKO s.r.o. has always been and will continue to be your reliable business partner.

European manufacturer of capacitors

Tradition of capacitor production since 1930

IRIS certification since 2014

Emphasis to quality of products

Quality control system (ISO 9001) since 1999

Products are exported to countries all around the world





POWER ELECTRONICS







DC link capacitors

› DC filters of power converters

Voltage: up to 6 kV DC
Capacitance: up to 20 000 µF
Low stray inductance



AC filter capacitors

› Power converters (AC current filtering)

Voltage: up to 3,5 kV AC
Capacitance: up to 600 µF



Snubber capacitors

› Semiconductors protection (IGBT, SCR)

Voltage: up to 10 kV DC
Capacitance: up to 25 µF
Extremely low stray inductance



POWER FACTOR CORRECTION


low voltage PFC


medium voltage PFC


automatic PFC


capacitor banks

Low voltage power capacitors

- Power factor correction and harmonic filtering

Voltage: 230 – 1 000 V AC
Frequency: 50 / 60 Hz
Power: up to 100 kvar



Detuning reactors

- Protection of capacitors and harmonics filtering

Voltage: 230 – 1 000 V AC
Frequency: 50 / 60 Hz
Power: up to 100 kvar



Medium voltage power capacitors

- Power factor correction and harmonics filtering

Voltage: up to 24 kV AC
Frequency: 50 / 60 Hz
Power: up to 1 000 kvar



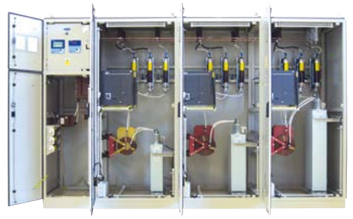
Low voltage banks

- Standard and detuned capacitor banks
- Thyristor switched capacitor banks
- Substation banks



Medium voltage banks

- Fixed capacitor banks
- Automatic capacitor banks



Components for PFC

- Microprocessor controllers
- LV contactors with resistor switching
- MV contactors
- Thyristor modules
- Measuring current transformers
- Network analyzers



INDUCTION HEATING


casting, melting


hardening

Water cooled capacitors

› Power factor correction and circuits tuning

Voltage: up to 3 000 V
Capacitance: up to 1 000 µF
Power: up to 8 000 kvar
Frequency: up to 200 kHz



Coax type capacitors

› Power factor correction and circuits tuning

Voltage: up to 2 000 V
Capacitance: up to 12 µF
Power: up to 1 000 kvar
Frequency: up to 400 kHz



Air cooled, low frequency capacitors

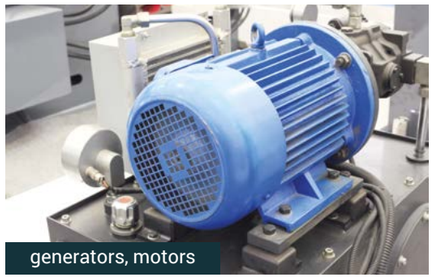
› Power factor correction and circuits tuning

Voltage: up to 800 V
Capacitance: up to 4 400 µF
Power: up to 360 kvar
Frequency: up to 50/60 Hz



MV SURGE PROTECTION


transformers

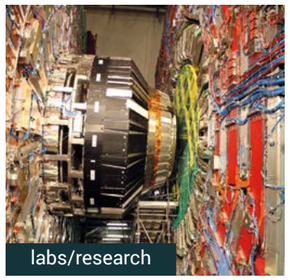

generators, motors

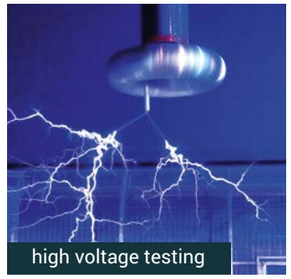
MV surge capacitors

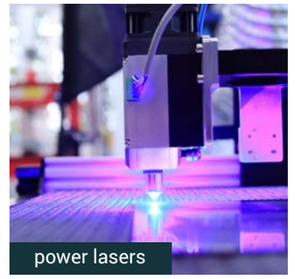
› Protection of MV motors, generators, transformers

Voltage: up to 24 kV AC
Capacitance: 0,1 – 0,6 µF




labs/research


high voltage testing


power lasers

ENERGY STORAGE

Impulse capacitors (energy storage)

› Charging and discharging (high peak impulses)

Voltage: up to 100 kV





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WWW.ZEZ-SILKO.COM



ZEZ SILKO, s.r.o.

Pod Černým lesem 683
564 01 Žamberk
Czech Republic

+420 465 673 111
zez@zez-silko.cz

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