

EPRONA



EPRONA company presentation

EPRONA, a.s. Rokytnice nad Jizerou

History and present of EPRONA

**beginning
1944**

Beginning of the
production

Branch of Siemens
was moved to
Rokytnice nad
Jizerou

**1945
to
1989**

More owners after
the war, i.e. Krizik
Co., Tesla, and
ČKD, a part of a
national enterprise
Elektropristroj
Prague and a part
of the ZSE Prague
concern

**1990
to
present**

The company was
privatised, new
owners had
changed its name
to Eprona

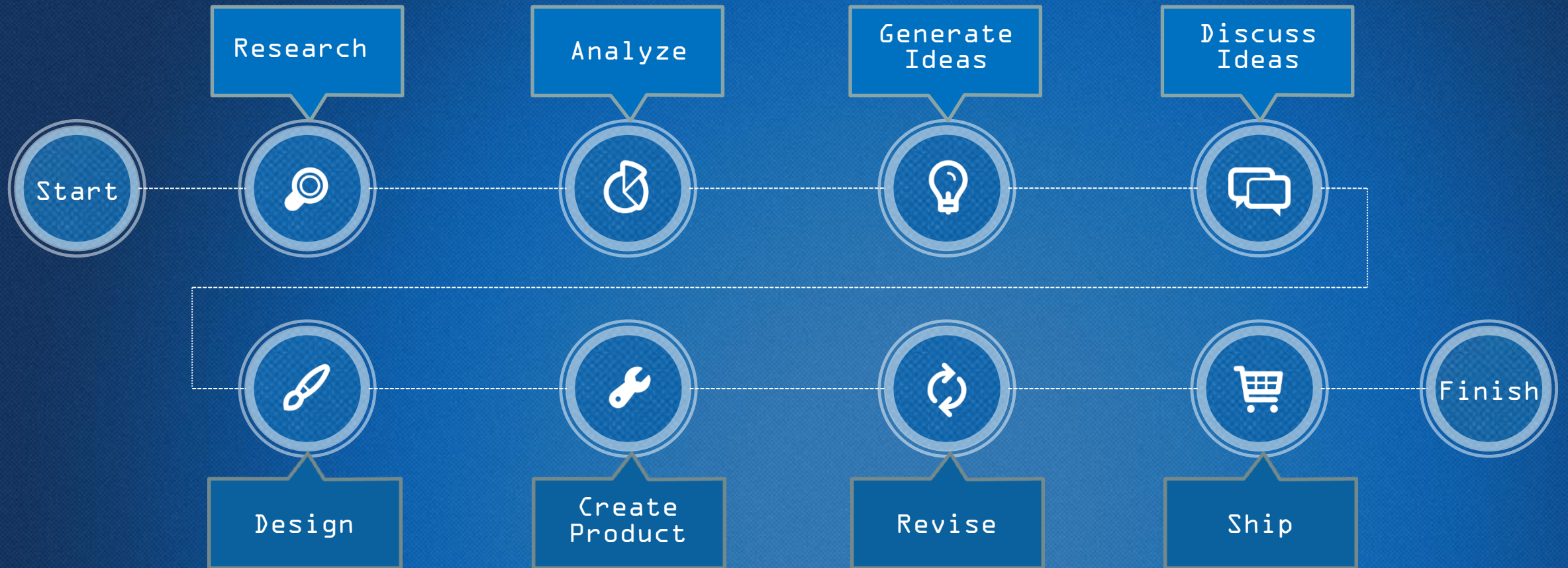
What We Produce

basic overview

- ❑ **microprocessor-controlled chargers**
- ❑ **switched-mode modular power-supply system**
- ❑ **high-current switched-mode rectifiers**
- ❑ **thyristor rectifiers**
- ❑ **smart back-up power supplies**
- ❑ **switchboards**
- ❑ **wide range of products made of steel sheets**

OUR Workflow

development – design - technology



Our Services

**Electronic
development
and
production**

smart power
industrial
electronic

**Mechanical
engineering**

from the
smallest box to
the big cubicle

**Surface
treatment**

final treatment
of aluminum
surfaces

**PCB
assembly**

SMD / THD
combination

Proposal Background

People from EPRONA will review your projects and offer best technical and cost effective solution. We come from longtime experiences in the field and cooperation with specialists.

Why to get in touch with EPRONA

- We design smart and state-of-the-art power industrial electronic and look for the best solution.
- We offer individual visitation in your company. You can not come to us? It does not matter, we will visit you in arranged term.
- We arrange a service of our products in the whole Czech republic by our service engineers and service representatives.
- Direct sale for retail prices to a private persons and wholesalers as well.
- In addition to our standard products we also offer custom solution and cooperation on your projects in electrotechnic and mechanical production.
- Our mechanical engineering workshop allows us manufacturing of all parts for our products.
- Our eloxing plant is prepared for your products.

What We Use

housing production



- CNC cutting press 30t - cutting up to a thickness of 3mm
- CNC dividing shears - cutting up to the length of 3m, max. thickness of 6mm
- CNC bending machine 50t - bending up to the length of 2.5m and width of 1m, up to a thickness of 3mm
- presses up to 160t

What We Use

welding, painting



Arc welding, consumable electrode, protective atmosphere

Certification for EN 287-1 135 P FW 1.1 S t10,0 PF ml

**Arc welding, non-consumable electrode, protective atmosphere
inert gas**

Certification for EN 287-1 141 P FW 1.1 S t2,0 PF sl

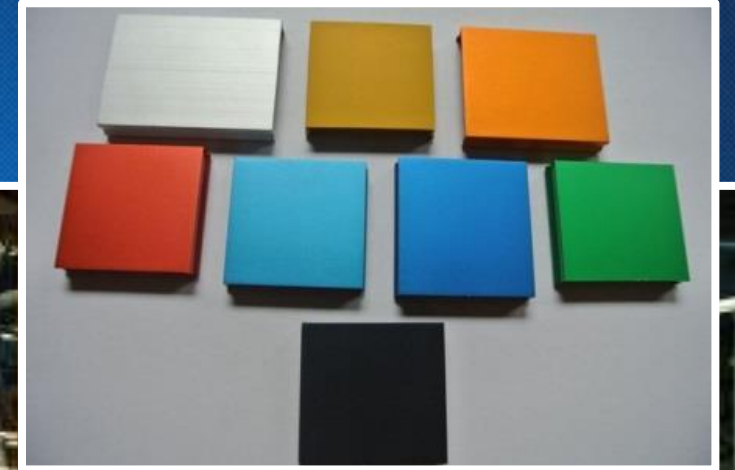
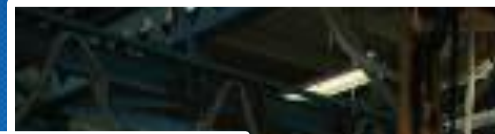
Resistance spot welding (RSW)

Powder coating

What We Use

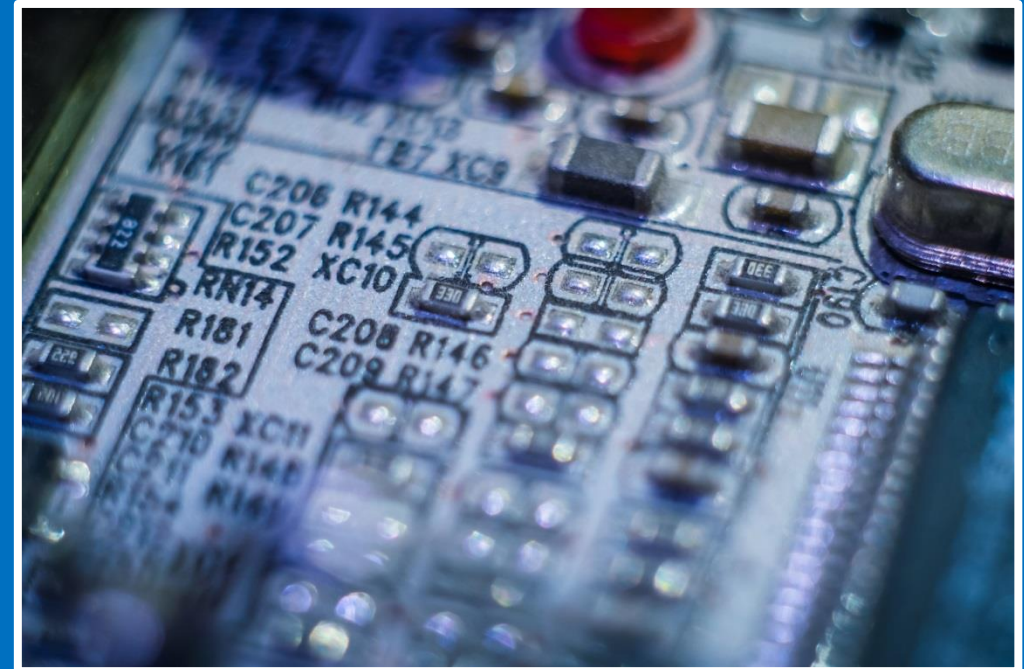
surface treatment

anodizing, surface treatment
of aluminium



What We Use

PCB SMD assembly



semi-automatic mounting of printed circuit boards

SMD or in combination with conventional THD components

prototypes and small series

Assembly Rooms



Prototype and serial production



Assembly rooms for all kinds of electro-mechanical assemblies

Testing

thorough testing during manufacturing
and before shipping

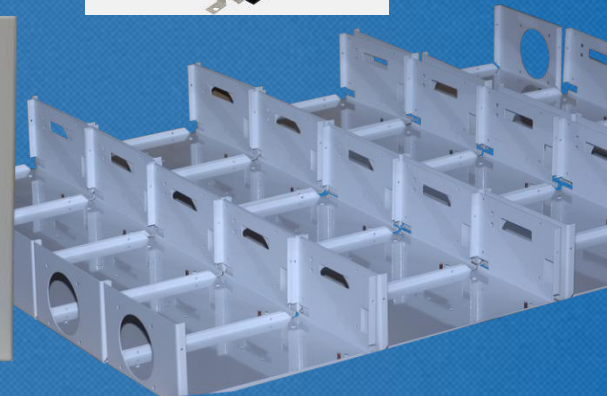


Product Overview



- smart modular power systems
- HCLV power supplies
- THG, THK, THE – family of thyristor power supplies
- smart industrial UPS
- HFG – high frequency, high current power supplies
- automotive chargers
- high power industrial chargers
- smart battery monitoring

Metal Products Showcase



Certificates



ISO 9001

LL-C (Certification)



ISO 14001

LL-C (Certification)



Zelená firma[®]

green company

Our Partners

we cooperate with



References

selected works

2014

THK 400V/800A KTL

HFG 15V/3000A

2015

THE 491V/5150A

THK-F 400V/550A+250V/100A KTL

THE-W 491V/5150A

2016

THK-F 300V/400A KTL

HFK 300V/300A KTL

THE 304V/5150A

2017

HFG 15V/3000A

THE 133V/5150A

DHG 600V/50kW

HFG-R 15V/3000A

THG-R-P3 9000A/15V

2018

HFK 350V/30A

THK 400V/250A

References

selected works

2014

THK 400V/800A KTL

HFG 15V/3000A

backup power supply 110V including batteries (modular concept 110/75)

backup power supply 24V including batteries and inverter 48v DC 350W (modular concept 2 x 24/15A)

inverter 110V/230VAC 60 Hz

2015

THE 491V/5150A

THK-F 400V/550A+250V/100A KTL

THE-W 491V/5150A

backup power supply 110V (modular concept 2x110/100 + 285Ah) with 2 x inverter 230V, 60Hz 7,5 kVA with bypass 18 kVA

backup power supply 24V including batteries (modular concept 24V/150A + 170Ah)

References

selected works

2016

THK-F 300V/400A KTL

HFK 300V/300A KTL

THE 304V/5150A

backup power supply 24V including batteries (modular concept 24V/100A + 125Ah)

backup power supply 110V including batteries (modular concept 110/3x25A) + 350Ah

backup power supply 24V including batteries (modular concept 24V/3x30A + 2x100Ah)

2017

HFG 15V/3000A

THE 133V/5150A

DHG 600V/50kW

HFG-R 15V/3000A

THG-R-P3 9000A/15V

backup power supply 110V including batteries (modular concept 110/4x20A) + inverter 230VAC

References

selected works

2018

HFK 350V/30A

THK 400V/250A

backup power supply 24V including batteries (modular concept 24V/2x70A + 92Ah)

backup power supply 110V including batteries (modular concept 110/4x20A)

backup power supply 110V including batteries (modular concept 110/2x20A)