



ScandiNova

Part of Nodica Group

Products and solutions

K-series

M-series

PG-series

E-series

Our high voltage pulse modulators, pulse generators, and RF units are designed with utmost attention to details, ensuring high performance and durability.

At ScandiNova, we take pride in delivering high-quality products that prioritize versatility and reliability, no matter utmost end-use purpose.



K-series

Experience the power of our K-series, a range of high-performance RF Units designed for reliability and energy efficiency. Utilizing solid-state pulsed power technology and various types of klystrons, our units offer extended diagnostics and features, requires minimal maintenance, and are easy to install and operate.

- ✓ Up to 100 MW RF Peak Power
- ✓ World-leading pulse to pulse stability, down to 8 ppm
- ✓ Fits most klystrons on the market, Canon, MPP (CPI), Thales, Stellant (L3), and others
- ✓ User-friendly interface
- ✓ High personnel safety
- ✓ Wide range of different shape modifications for every pulse

K100

RF peak power	3–10 MW
Pulse voltage	115–190 kV
Pulse current	90–140 A
Modulator peak	26 MW
Modulator avg.	30 kW

K200

RF peak power	7–35 MW
Pulse voltage	160–290 kV
Pulse current	120–280 A
Modulator peak	80 MW
Modulator avg.	55 kW

K300

RF peak power	20–50 MW
Pulse voltage	250–360 kV
Pulse current	200–350 A
Modulator peak	115 MW
Modulator avg.	80 kW

K400

RF peak power	30–60 MW
Pulse voltage	280–450 kV
Pulse current	230–450 A
Modulator peak	160 MW
Modulator avg.	125 kW

K500

RF peak power	50–100 MW
Pulse voltage	320–500 kV
Pulse current	300–525 A
Modulator peak	220 MW
Modulator avg.	160 kW



M-series

Discover the power of high-performance magnetron modulators, ideal for cancer treatment providers and industry applications.

- ✓ Easy to integrate
- ✓ Minimal maintenance requirements
- ✓ High energy efficiency
- ✓ Compact enclosure
- ✓ Single, Dual or Multiple Energies

M050-i

RF peak power	0.2-2 MW
Pulse voltage	20-40 kV
Pulse current	20-100 A
Modulator peak	4 MW
Modulator avg.	1 kW

M060

RF peak power	0.2-2 MW
Pulse voltage	20-40 kV
Pulse current	20-100 A
Modulator peak	4 MW
Modulator avg.	2 kW

M100/M100D

RF peak power	1-3.1 MW
Pulse voltage	30-52 kV
Pulse current	30-120 A
Modulator peak	6.2 MW
Modulator avg.	8 kW

M100-i / M100D-i

RF peak power	1-3.1 MW
Pulse voltage	30-52 kV
Pulse current	30-120 A
Modulator peak	6.2 MW
Modulator avg.	8 kW

M110

RF peak power	1-3.1 MW
Pulse voltage	30-52 kV
Pulse current	30-120 A
Modulator peak	6.2 MW
Modulator avg.	8 kW

M200 / M200 D

RF peak power	2.5-5 MW
Pulse voltage	40-75 kV
Pulse current	30-250 A
Modulator peak	14 MW
Modulator avg.	16 kW



PG050

Pulse voltage	30–52 kV
Pulse current	30–120 A
Modulator peak	6.2 MW
Modulator avg.	8 kW

PG200

Pulse voltage	0–50 kV
Pulse current	0–1200 A
Modulator peak	36 MW
Modulator avg.	0–80 kW

PG-series

Discover the power and durability of our high-voltage pulse generators, equipped with ScandiNova's modern and userfriendly control system – ScandiCAT™ – and built on our unique solid-state technology. Our PG-series products feature a robust casing designed to withstand demanding industrial applications, making them the ideal choice for Pulsed Electric Field (PEF) in food processing.

- ✓ Reliable and compact, with high efficiency
- ✓ Robust casing for tough industrial environments
- ✓ User-friendly control system – ScandiCAT™
- ✓ High personnel safety

ScandiNova offers modern, reliable and energy efficient pulse generators for Electroporation and Pulsed Electric Field (PEF) processing of food. Why not make chips healthier, crispier and made with less energy usage?





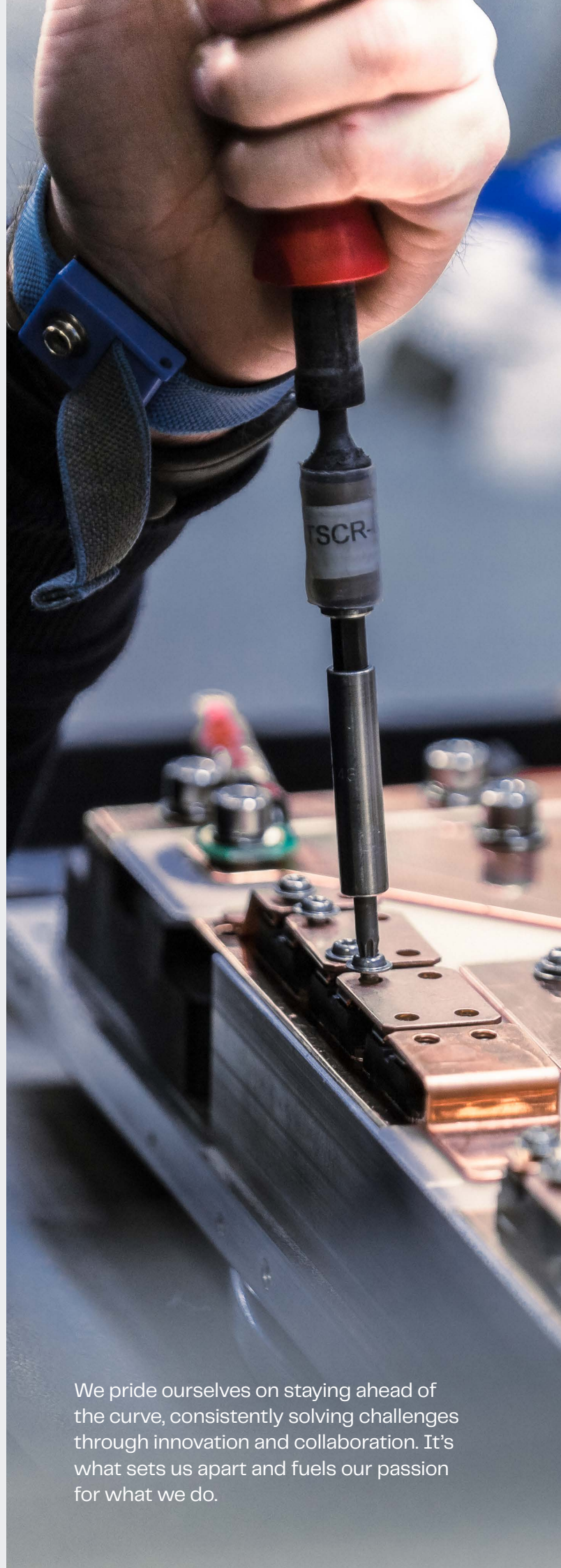
E-series

Our solid-state E-gun modulators provide reliable and efficient performance for driving E-guns across a wide range of applications, including high energy physics, radiation therapy, cargo inspection, industrial X-ray, and sterilization.

- ✓ Basically maintenance free, with very high reliability
- ✓ Protected against any stress from the E-gun: high personnel safety
- ✓ Easy and intuitive adjustments to voltage level, pulse width, amplitude, and frequency

E110D-i

Pulse voltage	0-30 kV
Pulse current	0-1 A
Modulator peak	0-0.03 MW
Modulator avg.	0-0.04 kW



We pride ourselves on staying ahead of the curve, consistently solving challenges through innovation and collaboration. It's what sets us apart and fuels our passion for what we do.



Behind every
pulse, stands
a great **team.**

Our team develops, designs and assembles a comprehensive range of high voltage magnetron modulators, klystron based radio frequency (RF) units, pulse generators, and e-gun modulators, all using solid-state technology.

Our modular design enables us to provide solutions that can handle a wide range of loads and needs, up to RF peak power of 100 MW. As one of the few players in the market with turn-key capabilities, we can provide complete RF systems, including cooling systems, circulators, RF loads, and waveguides.

Our unique technology is based on three principle concepts made by us: **Split Core™**, **Parallel Switching™**, and **Pulse to Pulse Control™**.

We deliver the highest quality products and systems that meet all our clients specific requirements.



Part of Nodica Group

Sweden | Corporate Sales

info@scandinovasystems.com

+46 (0) 18 480 59 00

Adress: Typsnittsgatan 15,
75 454 Uppsala, Sweden

Japan | Contact: Osamu Yushiro

osamu.yushiro@scandinovasystems.com

+81 45 442 3005 / +81 70 2805 2198

scandinovasystems.com/japan

USA | Contact: Douglas Eaton

douglas.eaton@scandinovasystems.com

+1 (702) 498 96 75