

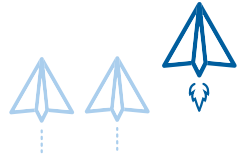
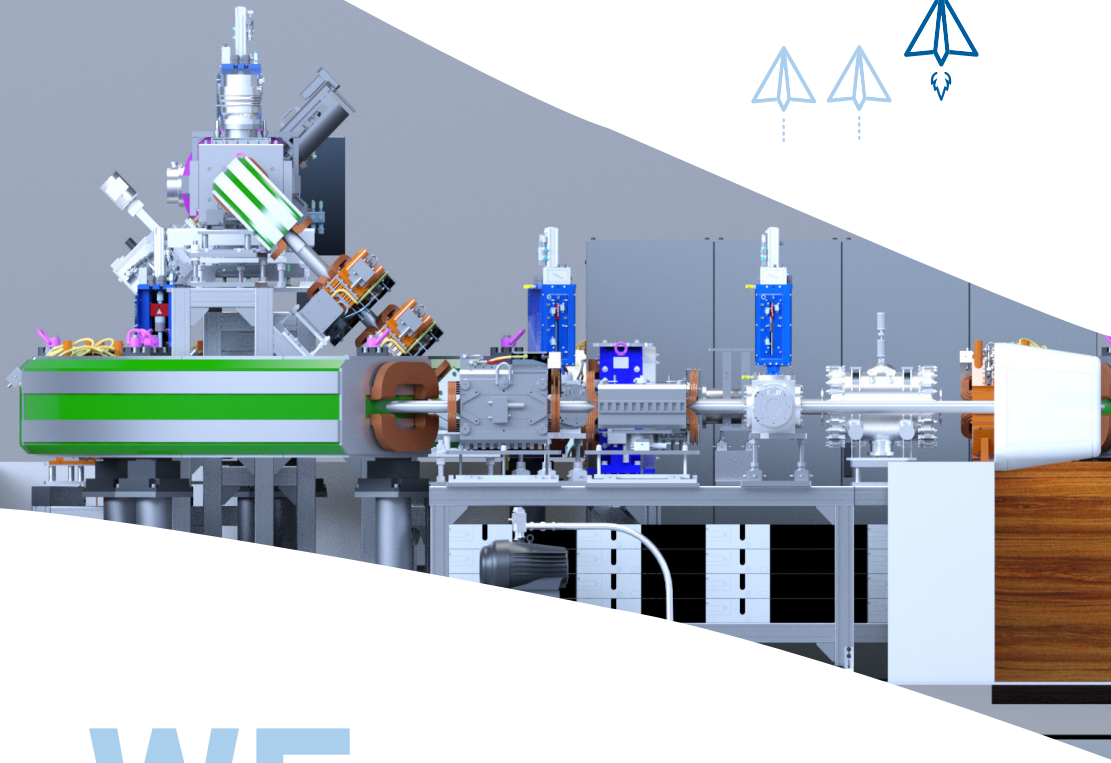
THE NEXT CHAPTER OF PROTON THERAPY



**MEDAUSTRON
COMPACT 200+**

System in
development

MedAustron^N
International



WE

Our purpose is to cure cancer and prolong lives.

MedAustron International (MAI) is a **construction & project company** for the installation of high-end ion therapy centers. MAI is an international technology leader in the field of **ion therapy with multi-ion facilities** that can utilize both proton and carbon ions and - in the near future - helium ions.

With the extensive experience and know-how of our highly qualified staff, we can **support leading cancer centers worldwide** and provide **high-end installations** of new and advanced ion therapy equipment as well as support in staff training and operation.

A MedAustron **compact ion system** provides you with a cost-effective addition of **modern cancer therapy**.



YOU

Your goal is to offer advanced cancer therapy.



Your aim is to **treat patients** with a radiation therapy that has few side effects?



You are looking for a **compact** system, ready to use without a rebuild or new construction?



You want to establish an additional radiotherapy method **quickly** and **cost-effectively**?

SERVICES

FOR YOUR PARTICLE THERAPY PROJECT

From concept to operational support, we are your one-stop shop for ion treatment systems for cancer therapy. You benefit from our many years of experience as a manufacturer and user and gain a partner for your research & development endeavors.



Concept & Planning



Hard- & Software



Maintenance & Service



Commissioning & Operation



Certification



Training



Radiation Protection



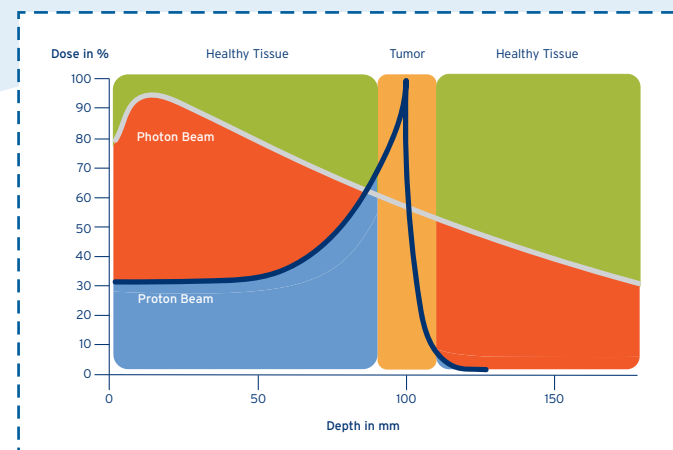
PROTONS

IN CANCER TREATMENT

Radiotherapy with charged particles allows better sparing of healthy tissue around the tumor compared to conventional radiotherapy. This is possible due to the physical attributes of these particles and the effect of the Bragg Peak. As a result, such therapy carries a **lower risk of side effects and late effects**.

This ensures a better quality of life for those affected and can thus reduce the costs in the health system in the long term.

Currently, **protons** are predominantly used in particle therapy and are already used as standard for many indications.

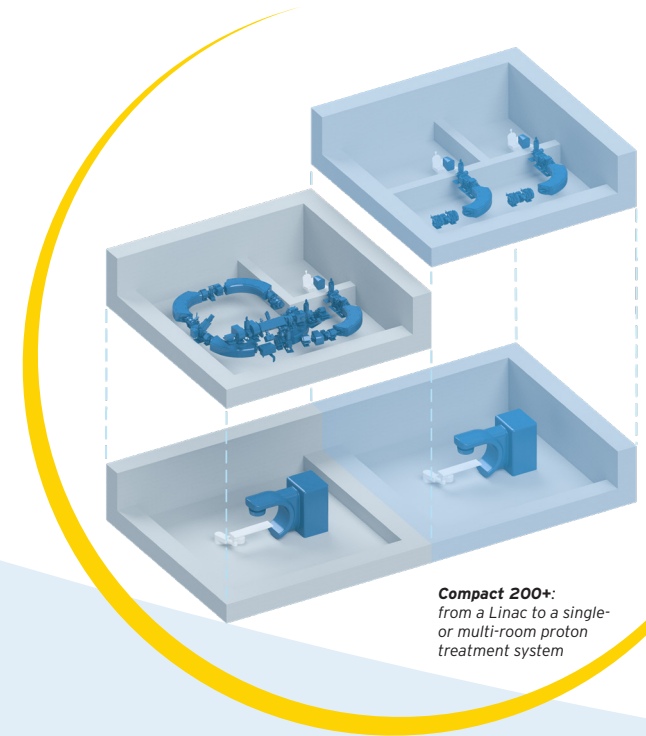
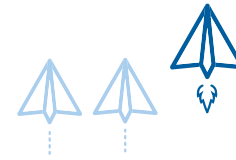


Schematic representation of the Bragg Peak of proton beams compared to the dose profile of photon beams.

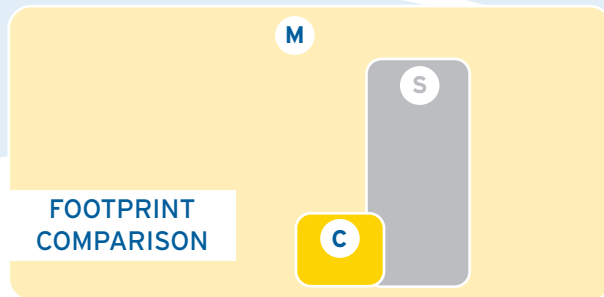
MEDAUSTRON COMPACT 200+ TREATMENT SYSTEM

A synchrotron-based **proton** particle accelerator forms the core of the system, which is small enough to be **retrofitted into existing treatment rooms** in a clinic. It is easy to operate and comes with a **rotating chair** patient positioning system. Together with the intelligent placement of sub-

systems such as injector and power converters, this results in a compact system whose footprint is smaller than ever before. The MedAustron Compact 200+ treatment system is currently in the design process.



Compact 200+:
from a Linac to a single-
or multi-room proton
treatment system



FOOTPRINT COMPARISON

M

S

C

MULTI-ION SYSTEM
(MedAustron Multi-Ion 800):
high-end solution for treatment and
research (synchrotron-based)

M

C COMPACT SYSTEM
(MedAustron Compact 200+):
easy solution for treatment
(synchrotron-based)

C

S STANDARD PROTON SYSTEM
(not in portfolio):
solid machine for treatment
(cyclotron-based)

S

TECHNICAL DETAILS

Field Size:
26 x 30 cm
(ongoing development)

Beam Energy:
Protons up to 220 MeV

Spot Size:
Lowest distance between
nozzle and patient for
lowest scattering effects

FEATURES

Small enough to be retro-
fitted into **existing LINAC**
rooms

Installed on a **turnkey** basis

Simple to operate without
a large team



Minimal investemnt for **ex-
pansion up to 3** treatment
rooms

Rotating chair for treat-
ments in sitting position

Cost-effective solution



MedAustron^{NI}
International

sales@medastron.at • +43 2622 26100 •
www.medastron-international.at