

Materials & Components for Medical Applications



Pronat specializes in material solutions for medical devices.

Whether you require a material to produce consumable components, such as those attached to a patient, or an insulator for some electronic equipment, we have the ability to make the parts.

With over thirty five years experience in converting materials, Pronat is able to use its extensive range of medical approved materials to produce the required item to your specification.

Our areas of specialization:

- Single and double sided medical adhesive tapes
- Non-wovens, fabrics, films & foils
- Hydrogels and hydrocolloids for electrodes and sensors
- Polyurethane, silicone and EPDM foams
- Optical adhesives, diffusers and brightness enhancement films
- Microporous membrane and filtering materials

Class 7 & 8 clean room production

Pronat provides a range of clean room services for both manual and automated assembly to ISO class 7 and ISO Class 8. The clean rooms are particularly suited to medical device, optics and electronics applications.

Component parts for the electronics of medical devices

The majority of medical devices will have an electronic control unit as an integral part of the equipment. Pronat produces the essential die-cut parts required for:

- EMI/ RFI shielding
- Thermal conductivity
- Electrical insulation
- Gasketing and sealing

Our supply partners:

Pronat offers quality materials from the world's leading manufacturers:



Patient monitoring



Assembly and inspection of precision parts

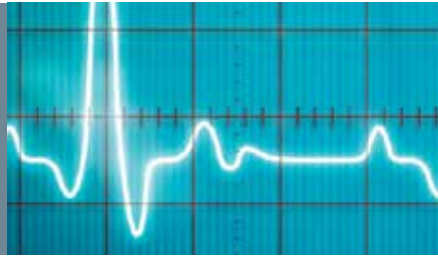


Automated clean room production line



Skin fixation solutions for custom devices

Skin Fixations & Wearable Medical Devices



Skin fixation solutions

We provide skin contact solutions for medical device manufacturers

Effective adhesion to skin is a difficult challenge for companies developing wearable patches and requiring skin fixations. Pronat offers solutions for both short and long term use

Pronat designs and produces medical patches, electrodes, sensors, skin fixations and wearable devices. With over thirty six years experience in converting flexible products and our extensive knowledge of medical grade materials, Pronat is able to help you design and manufacture your product to the required performance specification

Certification
ISO 9001:2015
ISO 13485:2016
ISO Class 7 & Class 8 clean rooms

Wearable device applications

- Injectable drug devices
- ECG sensors
- Cardiac monitoring
- Self-testing devices
- Temperature measurement
- Patient monitoring
- Diagnostics
- Muscle stimulation
- Remote diagnostic testing and telemedicine

Our support includes:

- Material selection and sourcing
- Prototyping & trial runs
- Volume production
- Process validation
- Regulatory support



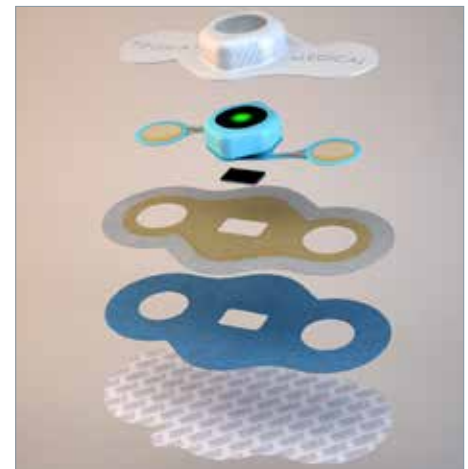
Custom-made fixations

Sensors & electrodes

Pronat supports client projects to develop and manufacture custom-made sensors and electrodes including EEG, ECG, ECT and defibrillator applications. Using a range of medical substrates and adhesive materials with different qualities and thicknesses as well as studs and terminals we can achieve design functionality for your devices.

Material solutions

- Complex, multi-layer constructions
- Highly breathable materials
- Moisture resistant layers
- Conformable materials
- Wide range of liner options
- High moisture absorption solutions
- Heat sealable materials
- Flexible printed circuit integration



Patch Assembly



Die-cut or moulded components

Electrodes & Sensors • Textiles & Fabrics • Velcro & Scotch Fasteners • Medical Adhesive Tapes • Gaskets & Foams

www.pronatmedical.com

Pronat Medical - a division of Pronat Industries Ltd.

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