

The ORMED gmbh ARTROMOT® SP3

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ORMED gmbh is a German based company that is in the south of Germany in the city of Freiburg. Their motto is “Ideas in Motion” , which sums the company pretty well, since the company has been partnering with other companies, each of whom are the top in their categories. The company does not actually supply to the United States, but to Europe and Canada. The company offers devices that support the early rehabilitation of patients after orthopedic and traumatological surgery. They work on devices that focus on CPM rail movements, and also Electro-Therapy. Electrotherapy is used for the relaxation of muscle spasms, muscle-rehabilitation, increase of local blood circulation and much more.

CPM stands for continuous passive motion, which is basically a treatment method designed to aid in the recovery of joints immediately after surgery. The concept was first created by Robert B. Salter, and with the help of an engineer John Saringer, the first device was made in 1978. CPM is carried out through a continuous passive motion machine, which will consistently move the joint that is injured in a controlled range of motion. After reconstructive joint surgery such as a knee replacement or ACL reconstruction is when CPM is used. The treatment each patient receives is determined by the surgery performed. CPM is very helpful because it allows for the prevention of clotting of synovial fluid, and the buildup of scar tissue, both of which decrease the range of motion of a joint.

The types of devices that ORMED makes are:

ARTROMOT K1 (Knee) ARTROMOT - H (Hand)

ARTROMOT S3 (Shoulder) ARTROMOT - F (Finger)

ARTROMOT E2 (Elbow) ARTROMOT SP3 (Ankle)

All of these devices come with a chip card, which records the patient-specific, pre-programmed parameters and therapy data. All of the devices are available for rent and for sale. They are high-tech, and leaders in their categories. They ensure the success of the treatment with better joint mobility, and a shortened rehabilitation period.



ARTROMOT SP3 is a “motorized motion for post rail, and continuous passive mobilization of upper and lower ankle.”

In the past, people dealt with such injuries by cutting off your leg, or whatever limb or joint that was broken. Then came a time that physical therapists where what was needed to rehabilitate a joint. Now ARTROMOT devices are used for the rehabilitation process. Hopefully in the future, a type of artificial intelligence programming will be developed, that would learn and adapt to a patients need.