hydronetic lumeo.
Create a check socket in a single session.

With ***hydronetic lumeo***, an impression can be taken of the residual limb and a transtibial check socket can be manufactured during a single visit – completely without plaster and with minimal workshop equipment.

Instead of plaster, resin-impregnated ***lumeo*** casting socks (699P1) are used to take the impression.

These are moulded under full load with hydrostatic pressure and cure under the integrated UV light at the touch of a button.

This type of impression maps the soft tissue situation, bony structures and scar tissue under realistic conditions. The result is a glass fibre-reinforced check socket with a good fit. The socket can then be thermoplastically re-shaped, sanded and built up in a conventional manner.

This means the complete check socket treatment can be carried out during the first patient appointment – efficiently, quickly and practically.

The ***hydronetic lumeo*** (743G18) can be combined with various liner systems. It can be used both stationary and mobile, making it ideal for flexible day-to-day treatment.

Benefits at a glance::

Faster treatment
- Efficient workflow: check socket fabrication in just 90 minutes and one session

Better fit
- Functional impression taking under full load and realistic conditions

Ideal for on the go
- Only 27 kg empty weight: Can be used for house calls and mobile workshop applications

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Process flow.

1 Preparing the system

- Fill the system with distilled water and connect to the power supply

2 Adjusting the entry height

- Adapt the device height to the patient
- Adjust the height of the vector tower
- Select the appropriate adaptor cup and relief cushion
- Protect the system with plaster insulation grease

3 Preparing the residual limb

- Always insert the cutting aid
- Protect the liner with stretch film
- Pull resin-impregnated ***lumeo*** casting socks over the residual limb and apply them evenly

4 Taking impressions and curing

- Patient gets into the system
- Water in the membrane encloses residual limb
- Impression of the residual limb under full load
- UV light cures the ***lumeo*** casting socks at the touch of a button

5 Follow-up and fitting

- Trimming and sanding
- Fit check
- Alignment of the trial prosthesis

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