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## Spare parts

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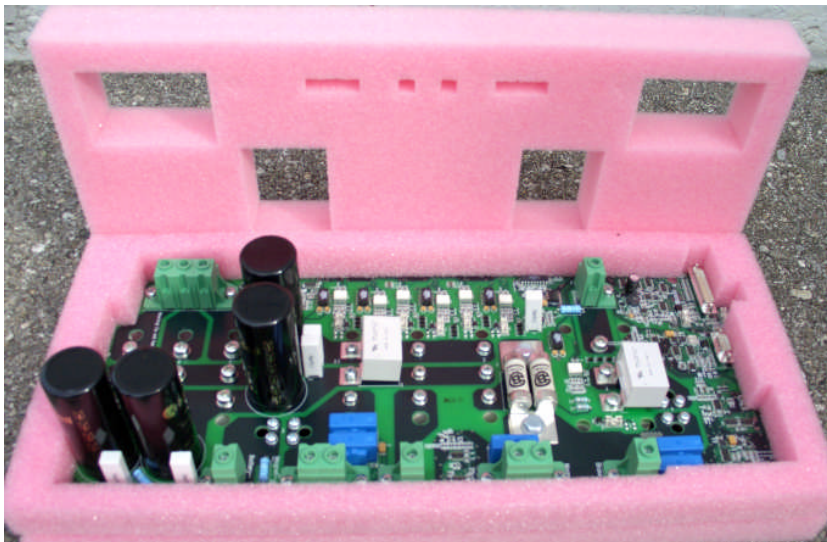
### Available from stock

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Efficient spare parts management plays a very important role in minimising magnet system downtime in the event of any malfunction. TRUNINGER's spare parts service provides the following benefits:

- Immediate availability from stock of all electrical SmartPick components
- TRUNINGER magnet systems use lots of standard parts. One spare part on site can therefore be used for a number of different systems
- All standardised spreader beam components are also available from stock
- Guaranteed supply of spare parts for at least 10 years after the magnet system's installation
- A complete spare parts list is available for personnel qualified to perform level 2 maintenance

Our spare parts service is not only geared to rapid availability of spares, but is also committed to quality. We take care to ensure that all circuit boards and all other sensitive electronic components reach the customer intact. Assembled circuit boards, for instance, are supplied in special foam packaging (see figure 1). This prevents the replacement board from slipping around in transit, protecting it from shocks and enabling multiple boards to be stacked one on top the other without any damage.



*Figure 1: PowerPick board in protective foam packaging*

## Wide in-house manufacturing range

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TRUNINGER not only makes its own magnets, but produces and assembles the spreader beams in house as well.

While mechanical parts are generally not available from stock, they can be made on request. Since a lot of the parts are manufactured in-house, we can produce many mechanical components very quickly.



*Figure 2: Spreader beam components manufactured in-house*