

MAUNT®

M10000425
Stripper, PCS-100, Fujikura



Description

The PCS-100 stripping device is the machine for stripping polyimide-based optical fibres. This device is common in the oil and gas and medical industries because the polyimide coating has superior heat and chemical resistance compared to conventional UV-curable coating materials, but the coating requires extra care during removal.

Because of the thin coating and strong adhesion of the coating to the cladding, dangerous chemical stripping techniques with hot sulphuric acid or burning the coating are common methods to strip the polyimide fibre.

The PCS-100 is the first tool to use a mechanical stripping method to provide safe, consistent and fast stripping solutions. Note: The PCS- 100 is designed for stripping polyimide-coated optical fibres and should not be used for other applications, as it may cause electric shock, fire and/or serious personal injury may result.

Brand

Fujikura



Technical specifications

Width	230 mm
Depth	214 mm
Height	151 mm
Weight	5.0 kg
Applicable fibre	Conventional silica optical fibre
Number of fibres	Single
Cladding diameter range	60 to 1200 µm
Fibre holder	FH-100-xxx
Coating diameter range	60 to 1,500 µm
Strip length	1 to 35 mm (Window strip: 1 to 33 mm)
Coating time	Coating removal × 4 : 20 sec Coating removal × 8 : 35 sec Coating removal × 12 : 50 sec
Blade life	350 fibres (remove coating × 4)
Power supply	AC adapter : ADC-15 Input : AC100 to 240 V (50 to 60 Hz)
Operating condition	0 to 40 degrees Celsius and 0 to 95% relative humidity (no dew)
Storage conditions	-40 to 80 degrees Celsius and 0 to 95% relative humidity (no dew)