

Fully Automatic Processing of POF

Features

- Gentle in feed of the plastic optical fibre (POF)
- Cutting of the POF and preparation of the end surfaces within the same process cycle
- Stripping of the outer insulation of both lead ends within the same process cycle
- Welding of terminals onto both POF ends within the same process cycle
- Ink jet marking possible
- Coiling and taping of the leads from 1500 mm to 1m
- Application of dust covers possible
- Attenuation measurement integrated into transfer unit
- Distruction of faulty leads
- Good / bad selector

Compatible

Tyco Electronics Connectors

MOST™
male connectors
PN 1534554-1

MOST™
female connectors
PN 1534555-1



For processing large quantities of plastic optical fibres (POF) with low human recourses, Tyco Electronics offers the fully automatic machine KOMAX Lambda 9100 POF.

All processing steps - from feeding and preparation to testing and deposition - are fully automatic.

Functions like length measurement, integrated marker software and monitored laser welding are available and guarantee consistently high quality.

To ensure gentle handling, the fibre ends are held fixed throughout the process so that no uncontrollable bending radius occurs.

The Lead Maker is equipped with a Dual Laser Module. With this module both ends of the POF are being welded in one process.

Ferrule feeding is integrated in the laser welding unit as well as male or female ferrule selection by software.

The prepared POF are checked by attenuation measuring.

For easy handling of POF longer than 1500 mm and up to 10 m they are automatically coiled and secured with two rubber strings.

A good/bad separation feature ensures that only flawlessly processed POF are sent on for further processing.