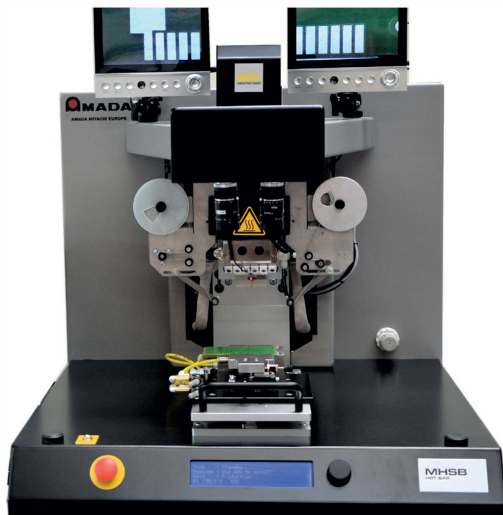


Interposer Module

Hot Bar Reflow Soldering/ Heat-Seal Bonding/ ACF Laminating

The interposer module is a reel-to-reel feeding device using a left and right sub-module making it independent to the Hot Bar length. The module holds a full spool of interposer on the left side and the feeder-part on the right side collects the used Interposer material. An intelligent spring mechanism in the module prevents sticking of the interposer material to the Hot Bar after bonding. The tension on the interposer material is automatically controlled through a spring-operated level. The Interposer Module is available in a manual or a fully automatic configuration applicable for all Amada Miyachi Europe Hot Bar systems.



SARCON INTERPOSER (HEAT-SEAL BONDING & ACF LAMINATING)

Sarcon Interposer is used between the Hot Bar and the products. This is a common practice for Heat-Seal bonding and ACF Laminating. The Sarcon Interposer material offers several functions including protecting the Hot Bar against glass splinters and applying bond force on the overall bond area of the product, even between the tracks creating a stronger mechanical connection. The Sarcon Interposer material is flexible and compensates small product flatness imperfections occurring in production.

KEY FEATURES

- Independent modular design for optimum system integration
- Self-levelling mechanism for tape tension control
- Optional upgrade module for automatic tape feeding
- Sarcon tape reel usage providing product protection and even pressure on bond area
- Sarcon tape enabling elimination of Hot Bar pollution

KAPTON INTERPOSER (HOT BAR REFLOW SOLDERING)

Kapton Interposer (polyamide) is used between the Hot Bar (Thermo-plane Thermode) and the products. In some solder applications the Hot Bar is in direct contact with flux and/or solder material causing contamination of the Hot Bar. This contamination needs to be cleaned off the Hot Bar at certain intervals to avoid temperature drops in the process. This cleaning process may cause wear of the Hot Bar and to prevent Hot Bar wear and save valuable production time a Kapton Interposer module can be used between the Hot Bar and the products, maintaining a high level of joint quality at the same time.

SARCON INTERPOSER TAPE

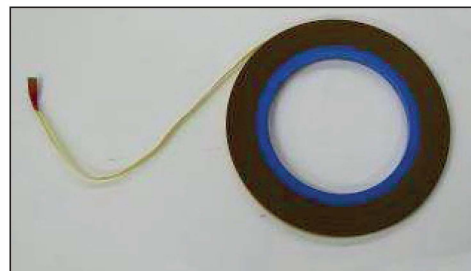
Minimum tape feeding length	10 mm/step
Reel specification	Outside diameter 85 mm, 6 mm mounting hole *)
Sarcon tape width	5 mm
Sarcon tape length	10 meters
Sarcon tape thickness	0,45 mm
Material type	Aluminium oxide filled silicon rubber
Material colour	Grey



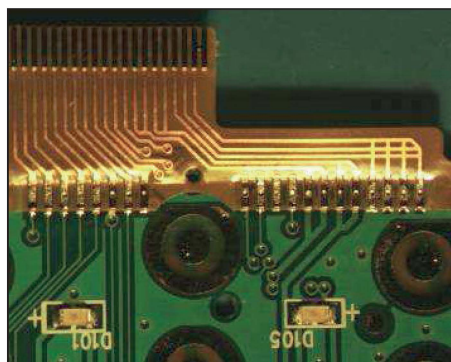
KAPTON INTERPOSER TAPE

Minimum tape feeding length	10 mm/step
Reel specification	Outside diameter 125 mm, inner diameter 75 mm *)
Kapton tape width	5 mm
Kapton tape length	200 meters
Kapton tape thickness	0,025 mm
Material type	Kapton (Polyamide)
Material colour	Brown

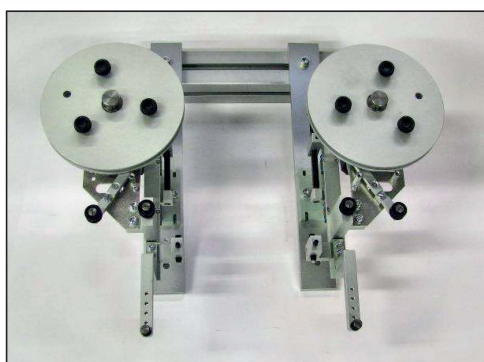
*) excluding mounting reels



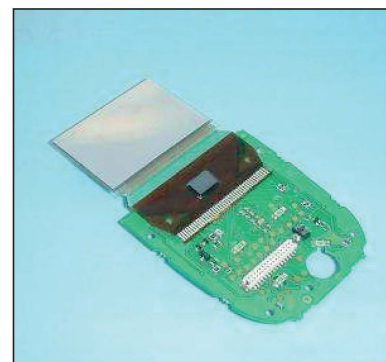
Sarcon and Kapton Interposer tapes can be used for the MIYACHI EAPRO Desktop Series, Stand-alone Series, Emerald Series and all Customised Systems



Hot Bar reflow soldering application



Interposer module



Interposer module application