

# Shock channel SHF 147 with UHF, PCT

## Shock channel SHF 145 with UHF



Hot air vulcanising channel with microwave (UHF) support designed for ultra fast profile cross-linking at high production speeds and for high demands on profile surface quality and sponge rubber profile cell structure, also rapid profile geometry stabilisation.

### **SHF 147, UHF, PCT**

High performance shock channel with microwave support and integrated Pollution Control Technology (PCT) for exhaust air treatment in the efficient air recirculation system.

### **SHF 145, UHF**

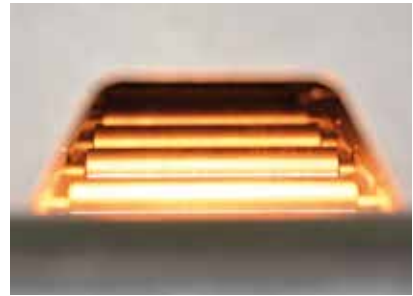
High performance shock channel with microwave support in the fresh air system.

## **MACHINE HIGHLIGHTS**

- 6 - 18 m effective machine lengths
- Natural gas heating, LNG/LPG as per Euro standard
- Production speeds up to 60 m/min
- Shock temperatures up to 550 °C
- Microwave output power up to 24 kW
- High speed hot air zone
- Separate roller and belt drive
- Integrated exhaust air treatment (PCT), type SHF 147
- Energy efficient operating principle

## MACHINE DATA SHF 147, SHF 145

Effective machine length	6 - 18 m
Profile pass-through aperture height	50 mm *
Profile pass-through aperture width	100 mm *
Machine clearance height	1000 mm *
Production speed max.	60 m/min *
Gas heating	LNG/LPG EU standard
Burner output SHF 147, SHF 145	190 kW, 180 kW
UHF output, total	12-24 kW*
Electrical connection	230/400 V, 3 Ph, 50 Hz, PE+N*
Compressed air connection	7 bar
Machine version	CE standards, DIN standards



## MAIN STANDARD EQUIPMENT

<b>Shock zone</b>	
Shock temperature modulation	up to 550 °C
Separately driven rollers	7
Free-wheeling rollers	74
<b>Microwave zone</b>	
Power regulation	10 -100 %
Reflection detection	yes
UHF safety concept	yes
UHF high performance electrical switch cabinet	yes
<b>High speed hot air zone</b>	
Inspection cover operation	pneumatic
Separate belt drive and tensioning station	yes
Air locks at channel infeed and outfeed	yes
Integrated exhaust air treatment (PCT) with SHF 147	yes
Main extraction fan	yes
Electrical switch cabinet	yes
PLC control	Siemens S 7-300
Touch display	Siemens*

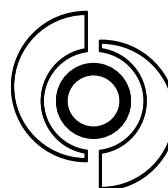
\* or customised



## CONFIGURATION OPTIONS

- 90° hinged infeed conveyor belt
- Profile temperature and profile position scanner
- Profile surface temperature capture at the SHF channel outfeed
- Process air distribution via 10 different treatment steps
- Automatic exhaust air regulation
- Spark sensors for fire prevention
- Profile guide via vertical and horizontal rollers in the shock zone
- Mechanical tensioning and deflection unit for variable conveyor belt application

- Roller quick change system for 6 driven rollers in the shock zone
- Zone lowering for non-contact vulcanising
- Gerlach Expert System (GXPS)
- Other options on request



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