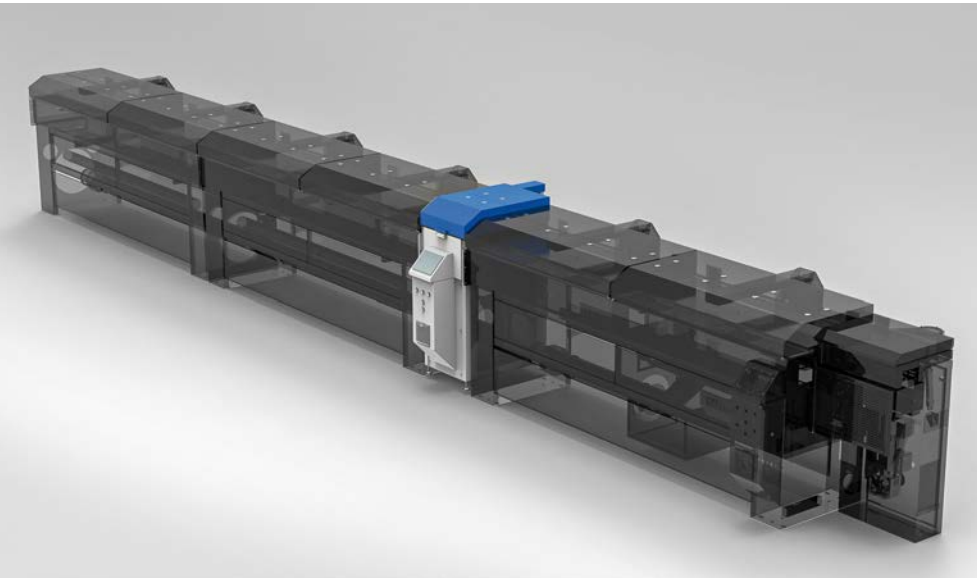


Stand-Alone Microwave Module



Do you need more microwave power for your vulcanization process, or are you planning to retrofit existing equipment with microwaves?

The new developed and self-sufficient functioning microwave module offers you the right solution. It can be integrated into any Gerlach hot air system and thus offers a fast and flexible extension of your existing equipment. Characteristic of the new UHF module is the compact design, as well as the completely self-sufficient power supply and UHF operation.

Hereby, the module can be used as a laboratory and test device or it can be considered in new machine configurations in the desired number. Depending on the total power requirement, the number of UHF modules can be installed and assembled as required within the overall machine in the correct position.

In addition, the modular UHF units can be retrofitted into existing vulcanization machines, to target the required

UHF energy as a heating source in the vulcanization process and at the desired position. The decoupled microwave type can be realized either as a Solid State technology or as a magnetron solution with different powers levels.

KEY MACHINE FEATURES OF THE UHF MODULE

- **compact and self-sufficient construction**
- **independent power supply and module operation**
- **subsequent UHF extension to old machines possible**
- **number of modules freely configurable**
- **can be used as a laboratory or series machine**

MACHINE DATA UHF MODULE

Module dimensions L x W x H	0.5 x 1.1 x 1.2 m
Module length	500 mm
Profile dimension B x H	according to customer requirements
Machine passage height	according to customer requirements
Compressed air connection	7 bar
Decentralized electr. supply	230/400 V, 3ph, PE+N
Machine design	CE standards, DIN standards

MAIN STANDARD EQUIPMENT

Top flap opening	pneumatically
UHF type	Solid state, magnetron technology
Frequency band modulation	2.4 - 2.5 GHz at solid state
UHF power	up to 3 KW per module
Cooling power supply	air
Cooling magnetron	water
Additional UHF power display	digital on top flap
Reflection display	yes
UHF safety	top flap switch
UHF absorbers	yes
Magnetron protection	isolator technology
Cabinet rear side	mounted
Control, PLC	Siemens S7-1200
Machine operation	Touch-Panel

