

Used Furnace on Stock	Kom.-No.:	01 - 4346 - 4
Brand: WMU (Conveyor belt furnace)	Constr.-year:	2004
Type: VKD 5800 e/H 450	Available:	Jul 23

Price (without refurbishment):

Price (after refurbishment):

## General data

Length of heating zone:	L:	5800 mm
Working width / Belt width:	W:	450 mm
Working height:	H:	140 mm
Capacity:	400 kg/h	
max. furnace temperature:	1150 °C	
Temperatur uniformity:	±5 K	
Belt speed:	100-900 mm/min	
Door:	electric adjustable door plug	
Type of control:	Siemens S7 - 300	

## Heating system

Heating type:	electric
Total heating power:	174 kW
Number of heating zones:	6
Length / Material of Muffle	6,85m / 1.4841

## Cooling system

Type of cooling:	Circulation cooling + heat exchanger
Number of cooling zones:	4
Length cooling zone 1 / 2 / 3...:	1m / 4m / 4m / 4m

## Protectiv gas

Gas type:	N <sup>2</sup> / H <sup>2</sup>
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Used Furnace on Stock	Kom.-No.:	01 - 6475 - 4
Brand: WMU (Conveyor belt furnace)	Constr.-year:	2008
Type: VKD 3250 e/H 450	Available:	Jul 23

Price (without refurbishment):

Price (after refurbishment):

## General data

Length of heating zone:	L:	3250 mm
Working width / Belt width:	W:	450 mm
Working height:	H:	120 mm
Capacity:		200 kg/h
max. furnace temperature:		1150 °C
Temperatur uniformity:		±5 K
Belt speed:		50-500 mm/min
Door:		electric adjustable door plug
Type of control:		Siemens S7 - 300

## Heating system

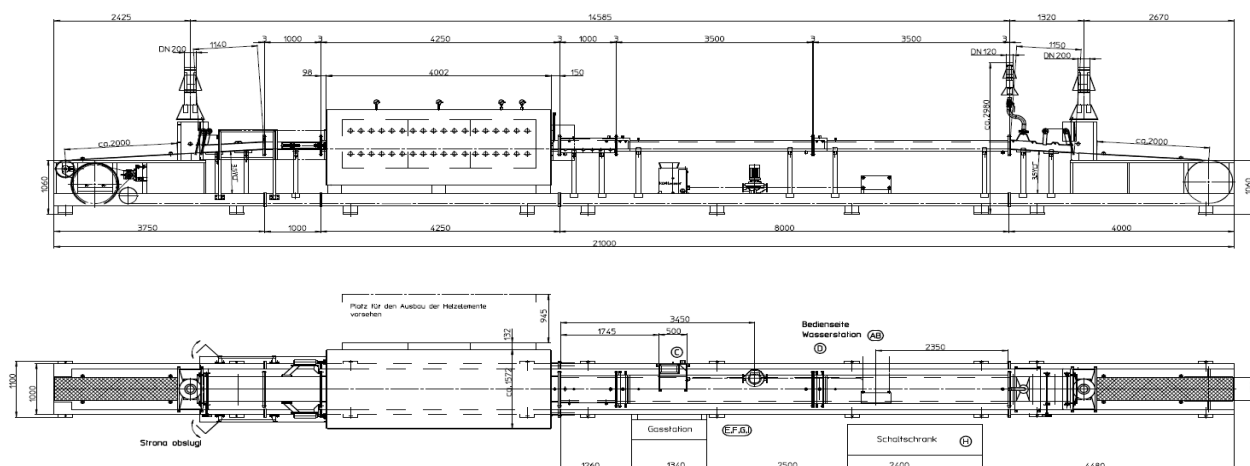
Heating type:	electric
Total heating power:	96 kW
Number of heating zones:	3
Length / Material of Muffle	4,25m / 1.4841

## Cooling system

Type of cooling:	Circulation cooling + heat exchanger
Number of cooling zones:	3
Length cooling zone 1 / 2 / 3...:	1m / 3,5m / 3,5m

## Protectiv gas

Gas type:	N <sup>2</sup> / H <sup>2</sup>
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Used Furnace on Stock	Kom.-No.:	01 - 10050 - 13
Brand: WMU (Conveyor belt furnace)	Constr.-year:	2013
Type: VKD 3750 e/ex 450	Available:	Jul 23

Price (without refurbishment):

Price (after refurbishment):

## General data

Length of heating zone:	L:	3750 mm
Working width / Belt width:	W:	700 mm
Working height:	H:	230 mm
Capacity:		400 kg/h
max. furnace temperature:		1130 °C
Temperatur uniformity:		±5 K
Belt speed:		50-800 mm/min
Door:		electric adjustable door plug
Type of control:		Siemens S7 - 300

## Heating system

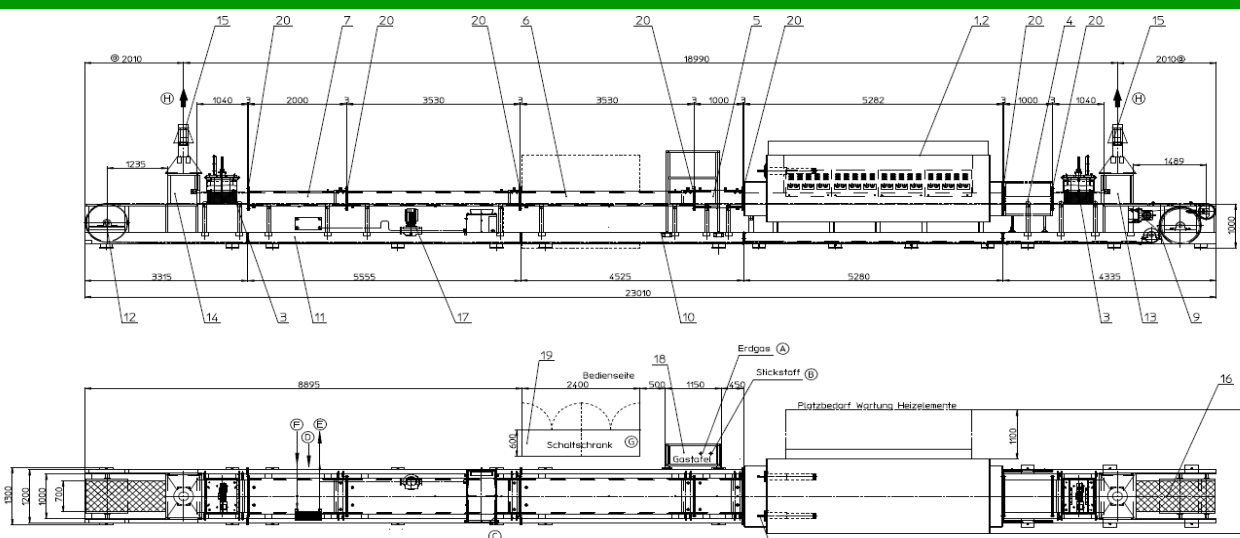
Heating type:	electric
Total heating power:	160 kW
Number of heating zones:	4
Length / Material of Muffle	- / -

## Cooling system

Type of cooling:	Circulation cooling + heat exchanger
Number of cooling zones:	3
Length cooling zone 1 / 2 / 3...:	1m / 3m / 3m

## Protectiv gas

Gas type:	Exogas-Retort installed in the furnace
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Used Furnace on Stock		Kom.-No.:	
Brand:	Safed	Constr.-year:	2005
Type:		Available:	now
Price (without refurbishment):			
Price (after refurbishment):			

## General data

Length of heating zone:	L:	2380 mm
Working width / Belt width:	W:	360 mm
Working height:	H:	145 mm
Capacity:	50 kg/h	
max. furnace temperature:	1100 °C	
Temperatur uniformity:	±5 K	
Belt speed:		mm/min
Door:	electric adjustable door plug	
Type of control:	Siemens S7 - 300	

## Heating system

Heating type:	electric
Total heating power:	60 kW
Number of heating zones:	3
Length / Material of Muffle	3,7 m / 1.4841

## Cooling system

Type of cooling:	Circulation cooling + heat exchanger
Number of cooling zones:	1
Length cooling zone 1 / 2 / 3...:	4 m

## Protectiv gas

Gas type:	N <sup>2</sup> / H <sup>2</sup>
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Used Furnace on Stock

Brand: Mahler

Type:

Kom.-No.:

Constr.-year: 1994

Available: now

Price (without refurbishment):

Price (after refurbishment):

## General data

Length of heating zone:	L:	3500 mm
Working width / Belt width:	W:	450 mm
Working height:	H:	110 mm
Capacity:	200 kg/h	
max. furnace temperature:	1100 °C	
Temperatur uniformity:	±5 K	
Belt speed:	50 - 700 mm/min	
Door:	electric adjustable door plug	
Type of control:	Siemens S7-300	

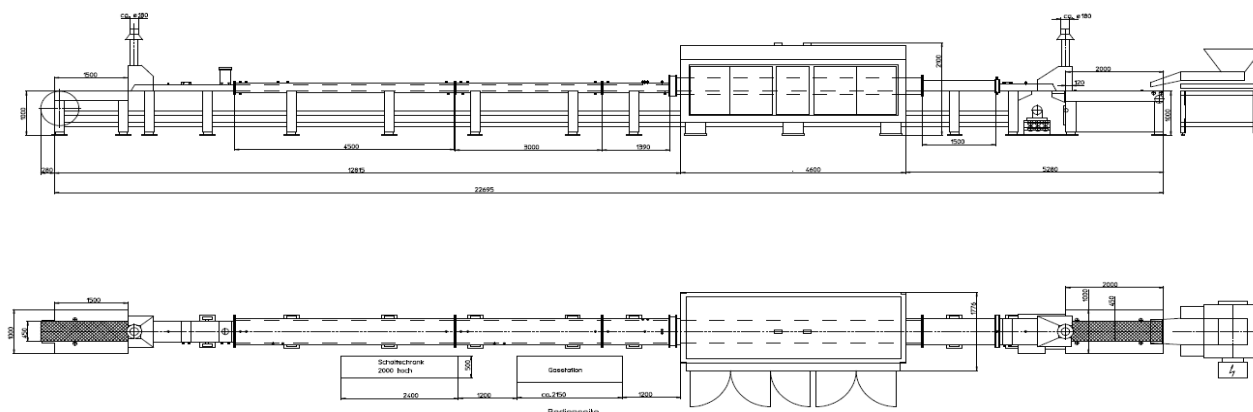
## Heating system

Heating type:	electric
Total heating power:	100 kW
Number of heating zones:	6
Length / Material of Muffle	4,9 m / 1.4841

## Cooling system

Type of cooling:	Circulation cooling + heat exchanger
Number of cooling zones:	3
Length cooling zone 1 / 2 / 3...:	1,4 m / 3 m / 4,5 m

### Protectiv gas

Gas type:  $\text{N}^2 / \text{H}^2$ 

Used Furnace on Stock	Kom.-No.:
Brand: IVA Schmetz (Vacuum chamber furnace)	Constr.-year: 1993
Type: HVK72/1 F 446 2RKv	Available: Sep 23
Price (without refurbishment):	
Price (after refurbishment):	

## General data

Usefull dimensions:	Length:	600 mm
	Width:	400 mm
	Height:	400 mm
max. Load Weight:	200 kg	
max. Working temperature:	1350 °C	
Temperature uniformity:	±5 K	
Type of control:	Demig DE-VX 4115 S	

## Heating system

Heating type:	electric
Material of heating elements:	graphite
Design of heating elements:	rods
Total heating power:	72 kW
Number of control zones:	1

## Rapid cooling system

Cooling fan motor:	15/55 kW	
Cooling gas / Cooling gas pressure:	Nitrogen N <sup>2</sup> 5.0	6 bar
Water consumption of rapid cooler:	15 m <sup>3</sup> /h	
Cooling Direction:	2 RK	
Chiller unit:	non existent	

## Vacuum system

Vacuum system brand:	Ruvac WAU251
Suction power of rotary vane pump:	94 m <sup>3</sup> /h
Suction power of roots pump:	253 m <sup>3</sup> /h
Suction power of Oil diffusion pump:	non-existent
Operable Vacuum:	10 <sup>-2</sup> mbar      Fine vacuum





Used Furnace on Stock	Kom.-No.:	
Brand: IVA Schmetz (Vacuum chamber furnace)	Constr.-year:	2001
Type: IU 72/1F 2RK	Available:	Oct. 23
Price (without refurbishment):		
Price (after refurbishment):		

## General data

Usefull dimensions:	Length:	600 mm
	Width:	400 mm
	Height:	400 mm
max. Load Weight:	200 kg	
max. Working temperature:	1350 °C	
Temperature uniformity:	±5 K	
Type of control:	Demig DE-VR 4008	

## Heating system

Heating type:	electric
Material of heating elements:	graphite
Design of heating elements:	rods
Total heating power:	72 kW
Number of control zones:	1

## Rapid cooling system

Cooling fan motor:	110 kW	
Cooling gas / Cooling gas pressure:	Nitrogen N <sup>2</sup> 5.0	10 bar
Water consumption of rapid cooler:	15 m <sup>3</sup> /h	
Cooling Direction:	2 RK	
Chiller unit:	non existent	

## Vacuum system

Vacuum system brand:	Ruvac WAU251 / 11721	
Suction power of rotary vane pump:	94 m <sup>3</sup> /h	
Suction power of roots pump:	253 m <sup>3</sup> /h	
Suction power of Oil diffusion pump:	non-existent	
Operable Vacuum:	10 <sup>-2</sup> mbar	Fine Vacuum





Used Furnace on Stock	Kom.-No.:	01 - 4405 - 4
Brand: WMU (Vacuum chamber furnace)	Constr.-year:	2005
Type: HVH 140 RKK	Available:	Sep 23
Price (without refurbishment):		
Price (after refurbishment):		

## General data

Usefull dimensions:	Length:	900 mm
	Width:	600 mm
	Height:	600 mm
max. Load Weight:	600 kg	
max. Working temperature:	1350 °C	
Temperature uniformity:	±5 K	
Type of control:	Stange SE 607	

## Heating system

Heating type:	electric
Material of heating elements:	graphite
Design of heating elements:	rods
Total heating power:	140 kW
Number of control zones:	1

## Rapid cooling system

Cooling fan motor:	40/160 kW	
Cooling gas / Cooling gas pressure:	Nitrogen N <sup>2</sup> 5.0	10 bar
Water consumption of rapid cooler:	35 - 45 m <sup>3</sup> /h	
Cooling Direction:	2 x 2 RK	
Chiller unit:	non existent	

## Vacuum system

Vacuum system brand:		
Suction power of rotary vane pump:	240 m <sup>3</sup> /h	
Suction power of roots pump:	2000 m <sup>3</sup> /h	
Suction power of Oil diffusion pump:	7500 l/s	
Operable Vacuum:	10 <sup>-4</sup> mbar	High Vacuum



Used Furnace on Stock	Kom.-No.:	
Brand: Schmetz (Vakuumkammerofen)	Constr.-year:	1996
Type: IU300 1279 2x2 R 3F	Available:	Jan 24
Price (without refurbishment):		
Price (after refurbishment):		

## General data

Usefull dimensions:	Length:	1200 mm
	Width:	900 mm
	Height:	700 mm
max. Load Weight:	1000 kg	
max. Working temperature:	1350 °C	
Temperature uniformity:	±5 K	
Type of control:	Demig DE-VX 4110	

## Heating system

Heating type:	electric
Material of heating elements:	graphite
Design of heating elements:	rods
Total heating power:	300 kW
Number of control zones:	3

## Rapid cooling system

Cooling fan motor:	30/120 kW	
Cooling gas / Cooling gas pressure:	Nitrogen N <sup>2</sup> 5.0	6 bar
Water consumption of rapid cooler:	up to 50 m <sup>3</sup> /h	
Cooling Direction:	2 x 2 RK	
Chiller unit:	non existent	

## Vacuum system

Vacuum system brand:	SV 300 WAU 2001	
Suction power of rotary vane pump:	300 m <sup>3</sup> /h	
Suction power of roots pump:	2000 m <sup>3</sup> /h	
Suction power of Oil diffusion pump:	non-existent	
Operable Vacuum:	10 <sup>-2</sup> mbar	Fine Vacuum



Used Furnace on Stock	Kom.-No.:	
Brand: Schmetz (Vakuumkammerofen)	Constr.-year:	1995
Type: IU300 1279 2x2 R 3F	Available:	Jan 24
Price (without refurbishment):		
Price (after refurbishment):		

## General data

Usefull dimensions:	Length:	1200 mm
	Width:	900 mm
	Height:	700 mm
max. Load Weight:	1000 kg	
max. Working temperature:	1350 °C	
Temperature uniformity:	±5 K	
Type of control:	Demig DE-VR 4008 P	

## Heating system

Heating type:	electric
Material of heating elements:	graphite
Design of heating elements:	rods
Total heating power:	300 kW
Number of control zones:	3

## Rapid cooling system

Cooling fan motor:	30/120 kW	
Cooling gas / Cooling gas pressure:	Nitrogen N <sup>2</sup> 5.0	6 bar
Water consumption of rapid cooler:	up to 50 m <sup>3</sup> /h	
Cooling Direction:	2 x 2 RK	
Chiller unit:	non existent	

## Vacuum system

Vacuum system brand:	SV 300 WAU 2001	
Suction power of rotary vane pump:	300 m <sup>3</sup> /h	
Suction power of roots pump:	2000 m <sup>3</sup> /h	
Suction power of Oil diffusion pump:	non-existent	
Operable Vacuum:	10 <sup>-2</sup> mbar	Fine Vacuum

