

# Tamping Technology with

## RIMAC Tamping Machines

**RTM** Turntable Machine • **RMM** Multi-Function Machine

**RSM** Sliding-Bed Machine



**RIMAC**  
TOP-WERK PARTNER  
MADE IN GERMANY

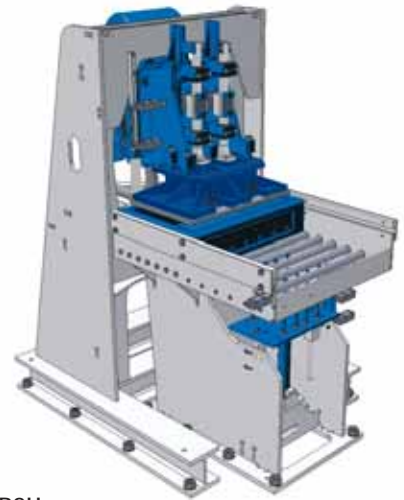
**SEMET**

# RIMAC

## Turntable Machine RTM



RTM Turntable Machine with RSS On-edge Stacker



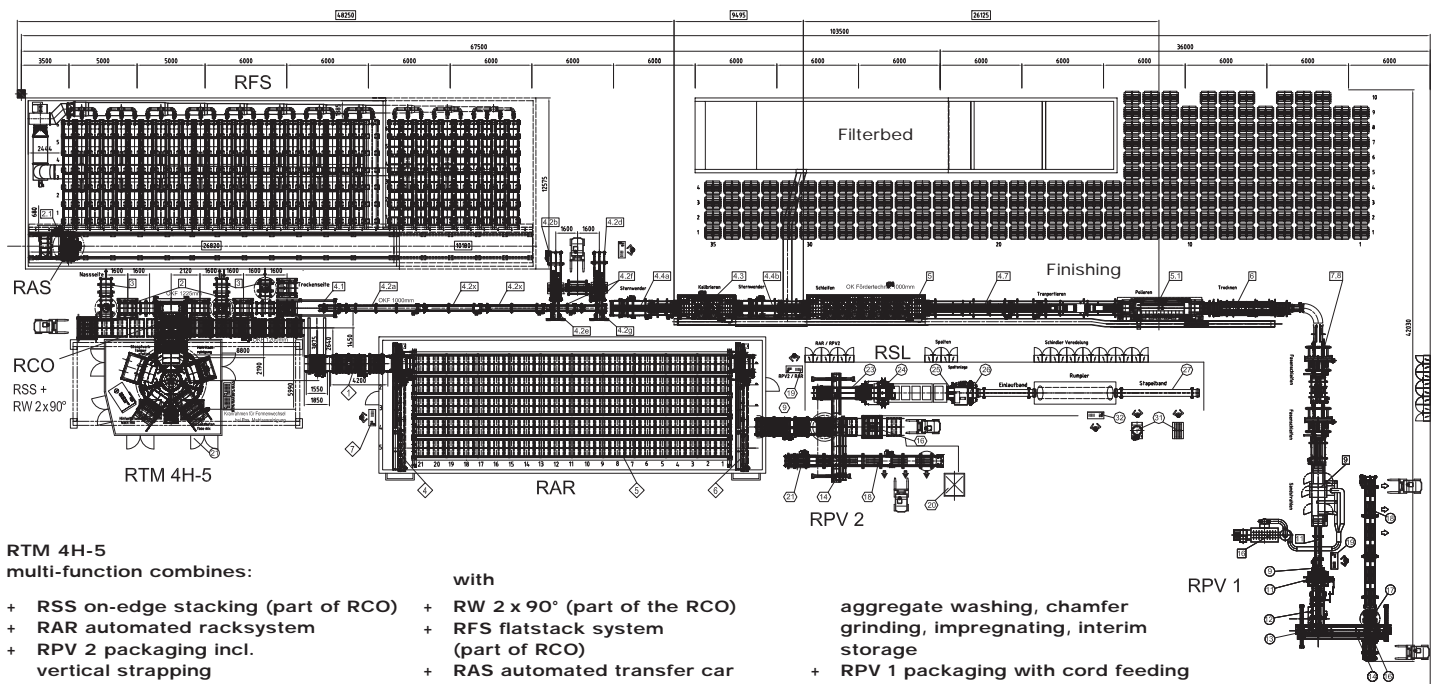
**RIMAC R2H**  
2 hammer tamping machine

max. working surface 500 x 750 mm,  
max. product height 80 mm, cycle time from 60 s on

### Technical Data RTM:

- Products 400 x 400 mm, 500 x 500 mm duplex, 500 x 1000 mm simplex, optional 600 x 1000 mm simplex
- Product height flexible from 20 - 100 mm, optional up to 220 mm (depending on mix and machine configuration)

## RIMAC machines are extendible to fully automated plants



### RTM 4H-5 multi-function combines:

- + RSS on-edge stacking (part of RCO)
  - + RAR automated racksystem
  - + RPV 2 packaging incl. vertical strapping
  - + RSL splitting line
- with
- + RW 2 x 90° (part of the RCO)
  - + RFS flatstack system (part of RCO)
  - + RAS automated transfer car
  - + finishing, e.g. calibrating, coating, polishing, brushing, shotblasting,

- aggregate washing, chamfer grinding, impregnating, interim storage
- + RPV 1 packaging with cord feeding and integrated vertical strapping

### Rimac plant capacity slabs and paver/paverdesign by matrix

RTM 4H	s back mix	sqm/8h back mix 100 %	sqm/8h back mix 85 %	s + face mix	sqm/8h + face mix 100 %	sqm/8h + face mix 85 %
2 x 400 x 400 mm	10	922	783	10	922	783
2 x 500 x 500 mm	10	1.440	1.224	10	1.440	1.224

Depending on mix, machine configuration, format and working condition.  
Right of technical modification reserved.

### Rimac plant capacity kerbstones

1000 x 300 x 150 mm	product qty.	s	pcs/8h 100 %	pcs/8h 85 %
RTM 4H	1	15	1.920	1.632

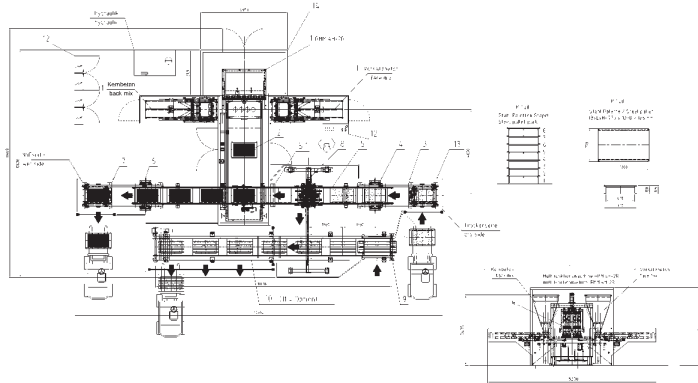


# RIMAC Multifunction Machine RMM



## Technical Data:

- Products 400 x 400, 500 x 500, 600 x 600 mm duplex, 600 x 1200 mm simplex, optional 800 x 1200 mm simplex
- Product height flexible from 20 - 120 mm; optional up to 220 mm (depending on mix and machine configuration)
- Pavers and hollow blocks possible (option: blockmachine mode)



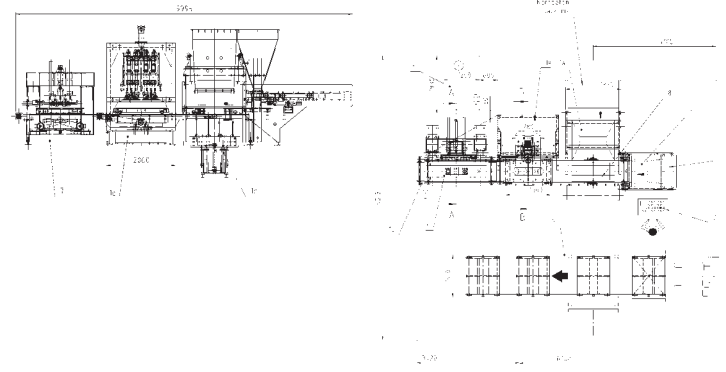
RMM 4H/2R + RW 180° turner + RFH Fixed Handling

# RIMAC Sliding-Bed Machine RSM



## Technical Data:

- Products 400 x 400, 500 x 500 mm duplex, 500 x 1000 mm simplex, optional 600 x 600 mm duplex and 600 x 1200 mm simplex
- Product height flexible from 20 - 100 mm; optional up to 220 mm (depending on mix and machine configuration)



RSM 4H+2R + RSS on-edge stacking

## Rimac plant capacity slabs and paver/paverdesign by matrix

	format	product qty. 100x200x60 mm	s back mix	sqm/8h back mix 100%	sqm/8h back mix 85%	s + face mix	sqm/8h + face mix 100%	sqm/8h + face mix 85%
RMM	2 x 400 x 400 mm	design matrix	30	307	261	35	263	224
RMM	2 x 500 x 500 mm	design matrix	30	480	408	35	411	350
RMM	1 x 800 x 1200 mm	design matrix	30	922	783	35	790	671
ejected downwards	pavers with one-way mould	35 pcs.	20	1.382	1.175	25	1.106	940
RSM	2 x 400 x 400 mm	design matrix	30	307	261	35	263	224
RSM	2 x 500 x 500 mm	design matrix	30	480	408	35	411	350
RSM	2 x 600 x 600 mm	design matrix	30	691	588	35	592	504

## Rimac plant capacity blocks

400 x 200 x 200 mm	max. working surface	product qty.	s hollow block	pcs/8h 100 %	pcs/8h 85 %
RMM blockmachine mode*	800 x 1200 mm	6	30,0	5.760	4.896

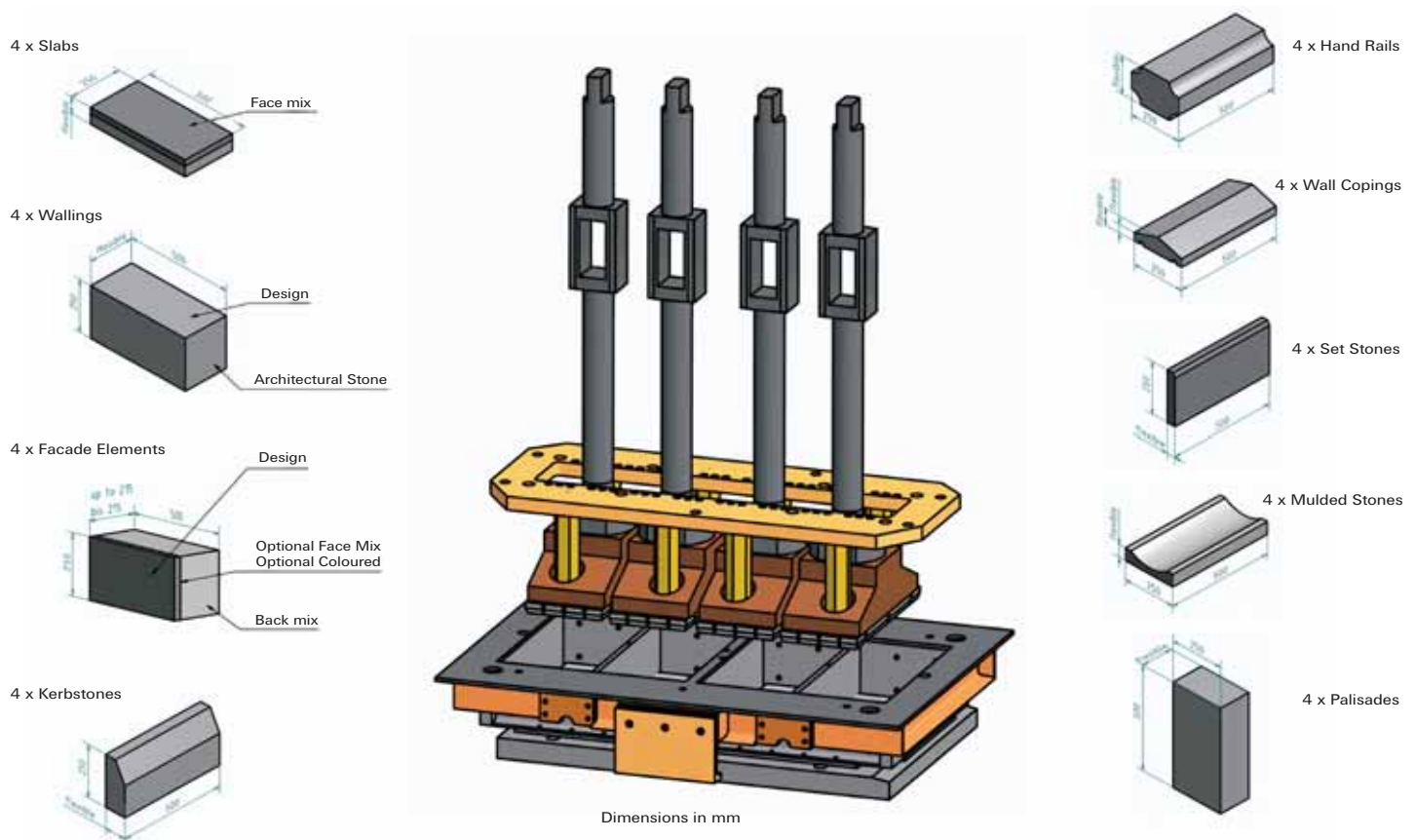
\*downward demoulding and stacking device prepared for pallet positioning under the mould  
Depending on mix, machine configuration, format and working condition.  
Right of technical modification reserved.

## Rimac plant capacity kerbstones

1000 x 300 x 150 mm	format	max. working surface	product qty.	s	pcs/8h 100 %	pcs/8h 85 %
RMM	on edge	600 x 1000 mm	1	30	960	816
RSM		600 x 1200 mm	1	35	823	699

# RIMAC Multifunctional Moulds for Tamping Technology

Example of use for final products of 500 x 250 mm with individually adjustable height / thickness of 20 - 220 mm (depending on mix & machine configuration)



## Advantages of the RIMAC Multifunction Mould

- **Height Flexibility:**  
Optionally from 20 - 220 mm thickness
- **Design Flexibility:**  
Customized matrixes and/or tamping plates for vast product variety
- **Complementary Flexibility:**  
Insertion of retarder paper, reinforcements, or other
- **Product Flexibility:**  
Big range of products with only ONE mould due to height and design flexibility; see example above
- **Face Mix Flexibility:**  
Optional face down or face up production
- **Longevity:**  
Extremely long service life; only wear parts must be replaced; running costs reduced to 20% → 80% SAVING

## Advantages of the RIMAC Tamping Unit

- Highest compaction and flexural bending strength
- Excellent surfaces
- 20% - 50% less cement
- Finest aggregates usable
- Very high frost, thaw salt, abrasion resistance
- Extremely long service life
- Sizes: from 200x100 mm up to 800x1200 mm (depending on mix and machine configuration)
- Stacking flexibility: favorable RSS on-edge stacking, flat stack RW 180° or combined stacking RCO



RIMAC tamping unit 4H

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