



PRECIOUS METALS CONTINUOUS CASTING TECHNOLOGY

**PRECIOUS
METALS
SERIES**

PRECIOUS METALS SERIES

THE HALLMARK OF INNOVATION



Bullion Coins



Bonding Wire



Jewellery



Dental Alloys



Glass Coating

Rautomead continuous casting machines for the production of precious metals are engineered to deliver high quality semi-finished products – ranging from bullion coins, medals and jewellery to dental alloys, brazing alloys and sputtering targets.

In our extensive Precious Metals Series, you will find a range of versatile, continuous casting machines specifically designed to produce the highest quality semi-finished gold and silver-based alloy products.

Available in a range of capacities – and in vertical downwards as well as horizontal casting formats – all models are specifically designed to deliver the highest quality continuous cast material.

Standard features include:

- Safe, easy-to-use resistance heating system operating at low voltages
- A unique graphite containment system that provides a naturally reducing environment for the production of metallurgically clean-cast products without inclusions, voids and other internal defects
- The robust technology associated with all Rautomead machines, including a steel furnace body
- Compact and innovative design with straightforward installation and commissioning

With ten integrated casting and melting models available, power outputs ranging from 15KVA to 105 KVA, melt rates from 30kg to 390kg an hour, and the ability to produce semi-finished rod products from 2mm to 100mm diameter and strip from 2mm to 400mm wide, Rautomead can fulfil all precious metal casting requirements.

Designed and built to offer optimum performance and simplicity of use, Rautomead precious metals machines feature easy to read eye-level controls and advanced safety features including a highly efficient cooling system.



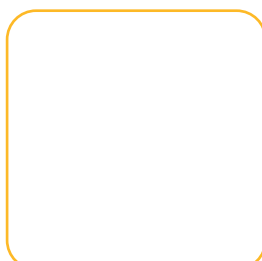
RT 400



Easy to read eye-level controls



RVS III(V)



Sealed lid with sight glass



CONTINUOUS CASTING TECHNOLOGY

From the smaller RVS models, designed for low volume applications, to the RT650 with a 79-litre crucible capacity, Rautomead is able to provide solutions for all applications.



RMK Horizontal Series



RMJ / V005



RMT 200 + Sparge



RVS III



RVS III
PS + Touchscreen

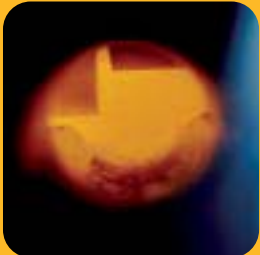
Optional features include:



PS Control Panel



RM 030 + Tilt



Sight Glass



Cut Off Shear

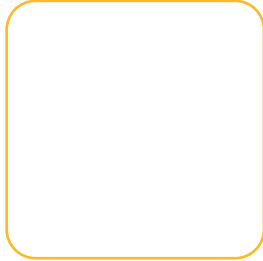


Product Coiler

PRECIOUS METAL PROCESSING



Sterling Silver Cutlery



Gold Jewellery

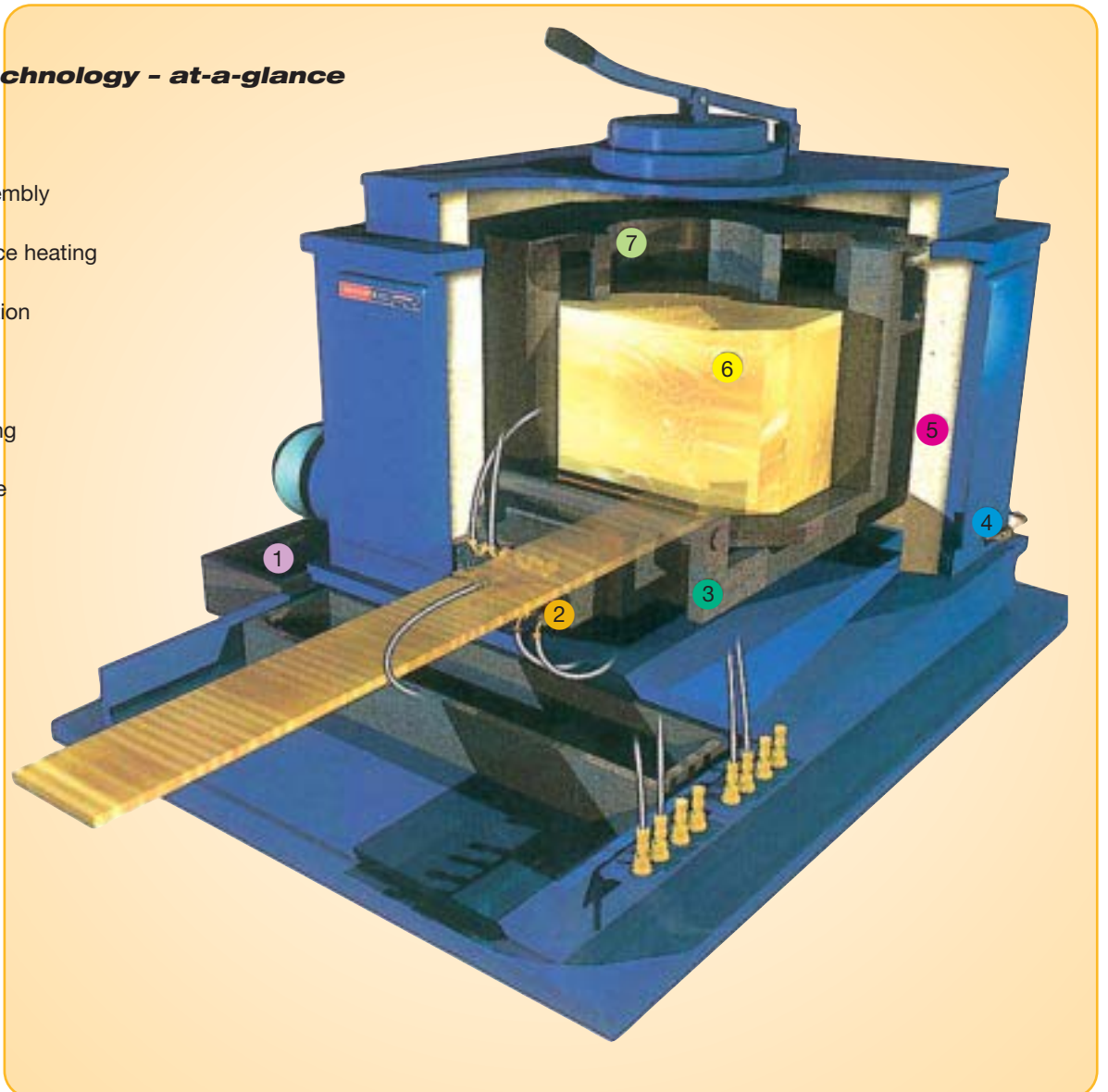


For the processing of gold and silver-based alloys into rod, strip or hollow sections, Rautomead International Limited offers proven, well-established technology, supported by a comprehensive service package that includes trial and demonstration facilities, pre-shipment testing, installation, commissioning and engineer training.

- Bullion Coins & Medals
- Jewellery
- Dental Alloys
- Electronics
- Brazing Alloys
- Sputtering Targets

Rautomead technology - at-a-glance

- 1 Dump box
- 2 Casting die assembly
- 3 Electric resistance heating
- 4 Inert gas protection
- 5 Insulation
- 6 Inert gas bubbling
- 7 Graphite crucible



PRECIOUS METALS SERIES

SPECIFICATIONS AND FEATURES

Machine Specifications

Machine Model	Crucible Capacity max (litres)	Power Rating (kVA)	Output (*) Integrated Melting & Casting (Ag 99.9% equivalent) (kg/hr)	Product Max. Size (as cast sections)					Furnace Temp Rating °C
				Rectangular Section (width mm)		Round Section (diameter mm)			
				Single Strand	Twin Strand	Single Strand	Twin Strand	Four Strand	
RVSIII	0.5	15	30	75		12			1350
RVS III V	1.0	15	30	75		12			1350
RM	1.4/2.5	30	45	114	35	30	15		1550
RMJ V005	1.8	30	45	75		30			1550
RMK	2.8/5.6	45	85	125	40	40	20	6	1550
RMT 100	12.0	75	165	200	80	76	50	12	1350
RMT 150	17.0	105	200	200	80	76	50	12	1350
RMT 200	24.0	105	220	200	80	76	50	12	1350
RT 400	39.0	105	260	400	150	115	76	25	1350
RT 650	79.0	105	390	400	150	115	76	25	1350

Actual output achieved can be further constrained in production of small sections, by casting characteristics of specific alloys and by the form of feed stock used.

Optional Features				Machine Model									
				RVS III	RVS III V	RM	RMJ/V005	RMK	RMT 100	RMT 150	RMT 200	RT 400	RT 650
Withdrawal	TYPE	DRIVE											
	4979		EM	●	●								
	TYPE		DRIVE	●	●								
	TYPE	PS	EM	EP			●	●					
	TYPE	PS	EM	EP			●	●	●	●	●		
	TYPE	PS					●	●					
	TYPE	PS							●	●	●	●	●
	TYPE	PS	EM	EP					●	●	●	●	●
TYPE	PS										●	●	
Machine Tilt				●		●		●					
Cut-off Shear						●		●	●	●	●	●	●
Product Coiler						●		●	●	●	●	●	●
RAUTOCAST Computer Control and Monitoring						●			●	●	●	●	●
Enclosed Dump Box						●		●					
Positional Servo						●	●	●	●	●	●	●	●
Sealed Lid with Sight Glass						●	●	●	●	●	●	●	●

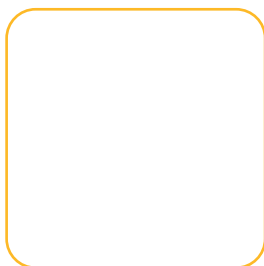
PS = Positional Servo System
EM = Electric Motor Drive

PRECIOUS METALS SERIES

CASTING QUALITY FOR 25 YEARS

Founded in 1978, Rautomead specialises in the technology of continuous casting of non-ferrous metals. Rautomead systems are now in use in over 40 countries around the world, in a wide range of applications, from the production of the highest quality oxygen-free copper redraw rod, through to brasses, bronzes and smaller machines for precious metals.

The company operates in world markets through a network of carefully selected sales agents, supported by a strong team of service engineers. Rautomead is committed to continuing technical advancement in the field of continuous casting and to a very high level of ongoing customer service for all its users worldwide.



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