



PRECIOUS METAL MELTING AND CASTING: MIX CAST

TO UPGRADE THE TRADITIONAL OLD CASTING METHOD OF TORCH MELTING AND SPRING CENTRIFUGAL DANGEROUS CASTING CIMO IS OFFERING MIX CAST SYSTEM. WORLDWIDE CASTING MAIN PROBLEM IS POROSITY: THE REAL ENEMY OF YOUR PRECIOUS JOB! REDUCE AND COMBAT THE CAUSES BY SOLVING THREE BASIC ASPECTS OF CASTING PROCESS:

- *ACCURATE AND PRECISE INVESTMENT PREPARATION (THE ST. LOUIS SYSTEM)
- *SMOOTH HEATING AND PRECISE TEMPERATURE CONTROL IN THE PRECIOUS METAL MELTING UNDER THE NEUTRAL GAS PROTECTION
- *EFFICIENT VACUUMING AND DIRECT INJECTION CASTING WITH ARGON INSIDE THE FLASK !

THE REPLY IS SIMPLE, EASY AND ECONOMIC: **MIX CAST !**



MODEL	investment mixing capacity	melting crucible capacity	max flask diameter	max flask height	
MIXCAST FULL It 4 - KG 1	Kg 4 powder	Kg 1 – 18 k gold	up to mm 120	mm 200	
MIXCAST FULL It 4 - KG 2	Kg 4 powder	Kg 2 – 18 k gold	up to mm 120	mm 200	
MELT CAST kg 1	-----	Kg 1 – 18 k gold	mm 120	mm 250	
MELT CAST kg 2	-----	Kg 2 – 18 k gold	mm 120	mm 250	
CAST BASE	-----	-----	-----	-----	

all the models are 220 volts – singlephase – consumption is kw 2,10
 all the models are provided by 18 cbm/h vacuum pump and its specific oil
 all the models are provided by argon kit device (escluding bottle and regulator)
 thermocouple and digital thermocontroller setted up to 1100° C. – acoustic device for temperature set point reaching
 the unit is supplied with three different diameter flanges for casting (mm 80-90-100) and three flask gaskets each size
 the unit is supplied with one standard crucible fitted plus one extra crucible of reduced capacity for small casting and one extra spare stopper
 OPTIONAL flanges: diam. 65 mm and 120 mm
 DIMENSION:
MIX CAST: cm. 70 X 49 X 110 h - weight Kg. 85
MELT CAST: cm 70 X 49 X 65 h - weight Kg. 50
PACKING: WOODEN BOX cm. 56 X 96 X 124h - Gross weight Kg 110

METAL STAND FOR MIX-MELT CAST



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MIX CAST ACCESSORIES AND PARTS

ARGON GAS REGULATOR 0 TO 3,5 BAR

GRAPHITE CRUCIBLE MIX CAST

MIX CAST - KG. 1 FULL CAPACITY

MIX CAST - KG. 1 REDUCED TO 500 gr

MIX CAST - KG. 2 FULL CAPACITY

MIX CAST - KG. 2 REDUCED TO 800 gr

GRAPHITE STOPPER FOR ABOVE CRUCIBLES

SILICA CARBIDE STOPPER KG 1 AND KG 2

GRAPHITE END POINT FOR S.CARBIDE STOPPER

GRAPHITE GASKET FOR FLASK mm 65 - 80

GRAPHITE GASKET FOR FLASK mm 90 - 100

GRAPHITE GASKET FOR FLASK mm 120

SILICONE GASKET FOR FLANGE

FLANGE FOR FLASK 65-80-90-100-120

THERMOCOUPLE WITH PLUG

REFRACTORY STOPPER HOLDER

STEEL BUSH FOR STOPPER

TOP METAL RING WITH HANDLE FOR STOPPER

VACUUM CHAMBER FILTER CARTRIDGE

VACUUM PUMP OIL FILTER CARTRIDGE

CLAMP FOR CRUCIBLE REMOVAL

CLAMP FOR FLASK

CRUCIBLE LONGLIFE PROTECTIVE SPRAY

QUARTZ MIXING ROD

BORIC ACID IN FLAKES LEAD FREE (ONE Kg)

VISOL DEOXIDIZING POWDER (ONE Kg)



SPECIAL STEEL PERFORATED FLASKS WITH COLLAR AISI 316

MIX CAST diam mm 65 x 80 h

MIX CAST diam mm 80 x 100 h

MIX CAST diam mm 80 x 120 h

MIX CAST diam mm 90 x 120 - 130 h

MIX CAST diam mm 90 x 150 h

MIX CAST diam mm 100 x 130 - 150 h

Standard steel flask, perforated without collar available (ask for detail)

MIX CAST diam mm 100 x 200 h

MIX CAST diam mm 100 x 250 h

MIX CAST diam mm 120 x 250 h

CONICAL RUBBER BASE mm 65

CONICAL RUBBER BASE mm 80 - 90

CONICAL RUBBER BASE mm 100

CONICAL RUBBER BASE mm 120



NAPIR: the stone in wax ultimate device

Table top unit for stones heating before placing into wax models. Small vacuum pump incorporated and suction power adjustable. 220 volts singlephase