



RTM ANCILLARIES

Inserts
Plugs
Calibration
Closing systems for RTM moulds
Catchpot
Ancillaries for RTM moulds
Mould seals
IMPS systems

INSERTS

FOR LAMINATING

FOR
VACUUM
CLOSING



CO-MM-0002 | 3/8" Machined steel insert

✓ Compatible with MM-0003 in order to accept 6mm pipe



CO-XM-0403 | 3/8" Insert

✓ Suitable with XM-0405 & XM-0406

Perfect for
VACUUM
CLOSING



CO-XM-0304

With GEKA quick.

FOR
INJECTION &
VACUUM



CO-XM-0404

For 10 mm ED PTFE pipe

FOR
VACUUM
CATCHPOT



CO-MM-0014 | Female stainless steel Insert

For

✓ MM-0305 injector

✓ Resin catchpot

✓ V400 valve

Ø 20mm

Can be plugged with ref. MM-005

FOR
V400
INJECTION VALVE



CO-MM-1501 | Threaded insert

For :

✓ 20mm (MM-0005) insert blank

✓ 6/10mm pipes

(XM-0305 / XM-0311 / XM-0312)

✓ INCLUDES 1 x O ring

FOR
AIR EJECTOR



CO-MM-2001 | Machined steel insert

To suit XE-0020 air ejector.

FOR
IMPS PRESSURE
SENSOR



CO-MM-0030 | 3/4" Metal insert

Allows the sensor to be easily mounted and de-mounted.

FOR SCREWING



CO-MM-0017 | Mould insert to accept vacuum catchpot

For machine metal moulds.



CO-MM-1519 | Threaded insert

To be threaded into metal moulds for V400 injection valve.

✓ INCLUDES 1 x O ring



CO-XA-0034 | IMPS Insert

To be threaded into pressure sensor.

✓ INCLUDES 1 x O ring

PLUGS

DELTRIN BLANKING PLUG



CO-MM-0005 | 3/8" threaded plug

DELTRIN 20 mm blanking plug.
No through hole.
Can be used either as blanking plug or threaded.
✓ 2 Rings INCLUDED (Ref. MS-02-1625)

INJECTION FITTINGS



XM-0311

CO-XM-0311

Use in conjunction with mould insert MM-0014 to connect a 6 mm ED injection or vent pipe to mould.

CO-XM-0312

Use to connect a 10 mm ED injection or vent pipe.



CO-XM-0305

✓ XM-0405 connector included
✓ To use with MM-0014 to connect a 10 mm ED injection or vent pipe.

THREAD CONNECTION



CO-MM-0003 | 3/8" male threaded connector

✓ To be threaded into MM-0002 insert.
To reduce vent diameter. For use with 6 mm pipe.

QUICK PIPE CONNECTOR



XM-0406

CO-XM-0405 | 3/8" claw fitting

For PE 10mm ED pipe.
Assembled on XM-0404 & XM-0305 connectors

CO-XM-0406 | 3/8" claw fitting

CO-XM-0407 | 1/2" claw fitting

For PE 12mm ED pipe

XM-0407



THROUGH-HULL FITTING



ACRAC-GEKA-PCOQUE | 3/4" threaded fitting

Through-hull fitting QAC93 for vacuum device.

HOSE END COUPLING



ACRAC-GEKA-3/4F

Female hose end coupling QAC94

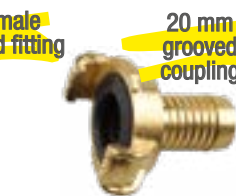


ACRAC-GEKA-3/4M

Female hose end coupling QAC95



ACRAC-GEKA-3/8M



ACRAC-GEKA-MANCH

Grooved hose end coupling for 20 mm ID hose.



ACRAC-GEKA-MANCH10

Grooved hose end coupling for 10 mm hose.

CALIBRATION

Calibrated wax

For the modeling of
the UPPER MOULD



(0.18m²)

610 x 305 mm

REFERENCE



REFERENCE		
CO-CC004-005	0.5 mm	Box X 10 sheets
CO-CC004-010	1 mm	Box X 8 sheets
CO-CC004-015	1.5 mm	Box X 8 sheets
CO-CC004-020	2 mm	Box X 8 sheets
CO-CC004-025	2.5 mm	Box X 6 sheets
CO-CC004-030	3 mm	Box X 4 sheets
CO-CC004-040	4 mm	Box X 4 sheets
CO-CC004-050	5 mm	Box X 3 sheets

Calibrated cork

VERY ECONOMICAL
for flat shapes



1 m

Sold by LM

REFERENCE



CO-LC067-010	1.0 mm
CO-LC067-020	2.0 mm
CO-LC067-030	3.0 mm

Filled wax

Compatible
with
DIASIL 20



REFERENCE

CO-YELLOWWAX650	Pack X 650 g
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CLOSING SYSTEMS FOR RTM MOULDS

Closing brackets

WITH a
receiving screed



CO-SA-0331

NO
receiving screed



CO-SA-0351

Closing
bracket for
Light RTM
mould.



XM-0301

Ultra resistant closing system.
Very quick to implement.

Mould clamp set

XM-0300

Heavy-duty steel clamping system, for
RTM moulds.

The shim of the cone allows 'Z'
stop adjustment.

Designed to be welded directly to mould
frame structure.

✓ Shimmed male cone & M24 bolt
INCLUDED



CATCHPOTS



CO-XE-0211

Capacity : 2L
Compatible with CO-MM-0014
connector

ANCILLARIES FOR RTM MOULDS

Mould location cone



CO-MM-0020

Machined cone to be bolted to flange between inner and outer seals. The cone gives positive X-Y-Z location between the upper and lower mould surfaces. ✓ M8x50 bolts and nuts INCLUDED

Injection valve V400

V400 Valve



CO-XE-0015
CO-XE-0015SS
CO-XE-0015HT

V400 System

For RTM
& RTM Light



Included :

- ✓ 1 injection valve - XE-0015SS
- ✓ 1 resin injection hose + resin quick coupler connector - XE-001605
- ✓ 1 control valve - XE-0017

CO-XE-0018
CO-XE-0018SS

Stainless
steel

180°C

Designed to be fitted into threaded mould insert MM-1501 or used with 20mm mould insert MM-0014

✓ 10mm Nylon waste pipe & connector INCLUDED

✗ MM-1501 & MM-014 inserts MUST BE ORDERED SEPARATELY

Control system



CO-XE-0017

Control valve to open /close the injection valve XE-0015 from signal input from CIJECT injection machine.

✓ Supplied with necessary fittings and pipes+ male quick connector for open signal.

Resin pipes (for quick plugging)



CO-XE-001605

CO-XE-001610

CO-XE-001615

Resin injection hose
and fittings
+ resin quick coupler
connector

50 cm

100 cm

150 cm

Infusion connectors



CO-XA-0317

To use with PE 10-12 pipe.

CO-XA-0313

To use with PE 14-16 pipe.



Air ejectors

Mould air ejector valve



CO-XE-0020

Valve designed for the safe removal of the moulded component from the mould. For inclusion into the laminated mould, allowing easy removal

✓ INCLUDED MM-2001 insert

Control button for air ejector



CO-XE-0021

Pneumatic button to control openings and closings of the air ejector valve. It can be mounted on the mould framework.

✓ Supplied with 2m of 6mm nylon pipe

Air ejector insert blanking plug



CO-MM-2007

Machined DELRIN insert to block MM-2001 air ejector if not fitting the XE-0020 air ejector.

Insert for air ejector



CO-MM-2001

Machined steel insert

To suit XE-0020 air ejector.

✓ INCLUDED FITTING + AIR EJECTOR

IMPS : In Mould Pressure Sensor system

Readout units

1 SENSOR INPUT



CO-XE-0051

- ✓ Included 220V AC supply

4 SENSOR INPUTS



CO-XE-0053

- ✓ 4 sensor inputs
- ✓ 1 selector switch

8 SENSOR INPUTS



CO-XE-0057

- ✓ 8 sensor inputs
- ✓ 1 selector switch

LED readout unit to display pressure reading (in bar). Upper display shows current pressure. Lower display is used in conjunction with optional control valve (XE-0052) and set by the operator. If the set pressure is exceeded, the control valve is actuated.



Pressure sensors

Robust ceramic sensor. Can be lounted in any position or orientation. Resin can be cured directly against sensor face. 3/4" BSP connection.

90°C
194°C

Room Temperature

High temperatures

120°C
248°C

REFERENCE	NO cable included	PRESSURE	REFERENCE	1m cable INCLUDED	REFERENCE	10m cable INCLUDED
XE-0050-001		- 1 / + 19 Bar	-		-	
XE-0050-002		- 1 / + 3 Bar	XE-0050-004		XE-0050-005	
XE-005A0-003		-0 / + 4 Bar (Abs)	XE-0050-006		XE-0050-007	

IMPS Insert



CO-MM-0030 3/4" METAL Insert

For mounting into composite tools enabling a pressure sensor to be easily mounted and de-mounted.

TO LAMINATE IN
THE MOULD IN COMPOSITE

Blanking plug for IMPS insert



CO-MM-0033

To block the MM-0030 insert when not in use

Cables & connectors for IMPS sensor



CO-XE-0054	CO-XE-0055
25m	10m

Cables & connector for the attachment of pressure sensor to either a readout/control unit or a CIJECT.

Mould seals



25ML REEL PACKAGE

DYNAMIC SEALS

REGULAR	MEDIUM	HARD	PRIMARY SILICONE SEAL	SLEEVE
CO-RD421-001	CO-RD20-0013	CO-RD20-0011	CO-RD20-3340	CO-RD20-2057
REGULAR DYNAMIC SEAL - WHITE	MEDIUM DYNAMIC SEAL - BLUE	HARD DYNAMIC SEAL - GREEN	PRIMARY SEAL FOR HOLLOW DYNAMIC SEAL	SLEEVE FOR DYNAMIC SEAL
To use as a resin seal in RTM & Light RTM processes. The seal is collapsed under vacuum, using the CO-RD20-2056 installation kit.	Medium version of the regular section of the regular section mould seal. To use as a resin seal in RTM & Light RTM tooling.	Hard version of the hollow silicone seal. For high pressure applications.	For modeling the following dynamic groove seals : RD421-001, RD20-0011 & RD20-0013. Reusable	Bag x 20 silicone sleeves for CO-RD421-001 hollow dynamic seal. Enables a tight connection. 4 mm x 8 mm x 4 cm

LIP SEALS

SILICONE			PRIMARY SEAL	PRIMARY SILICONE FOAM
CO-RD20-5895	CO-RD20-3661	CO-RD20-0014	CO-RD20-3391	CO-RD20-0017
To position outside the mould.	Flexible lip seal. Same design as RD20-5895.	Half-sized section of the RD20-5895 standard seal. For vacuum applications when small bend radii are required. L 12 x H 10 (mm)	Silicone seal used for modeling the throat of the RD20-5895 lip seal. Reusable	Foam silicone section to provide a correct groove during mould manufacture (silicone or neoprene), for fitting of RD20-5895 lip section mould seal. The rounded corners make the laminating easier. Non reusable

SILICONE SEALS

SILICONE	SILICONE
CO-RD-CORDE0545	CO-RD-CORDE0645
Silicone ring diameter 5. To be embedded in metal tools.	Silicone ring diameter 6. To be embedded in metal tools.

ALSO



Glue for silicone seals

CO-RD-COLLE-E43/310

RESIN RUNNER PROFILES

CO-RD20-0016	CO-RD20-4530
Silicone section. Provides correct resin runner details during the RTM mould manufacture. Can be formed around vertical and horizontal radii.	Silicone seal for a perfect shaping of the canal with resin.

ALSO



All mould carrier primer

CO-RD-PRIMER-G79/150 150 ml

CO-RD-PRIMER-G79/40 40 ml

**CLOSURE SEAL
FOR TOOLS**



ACZEPDM20X10AD

Dimensions : h 10 mm x l 20 mm



ACZEPDM20X5AD

Dimensions : h 5 mm x l 20 mm

Cellular rubber strip firm cells (EPDM) single-sided adhesive.
Excellent sealing against water and other liquids. It has a high elastic restoring force OR Its elastic restoring force is high and is exceptionally resistant to extreme temperatures. Bag of 5 coils per 10 m.