

Carters of Rochdale is the name that embodies the ultimate quality in rubber and plastics engineering throughout the world.

An acute understanding of customer requirements and the ever changing trends of market forces has established Carter at the forefront of the industry.

A sensible business philosophy committed to long term research and development together with enormous investment in both people and the most technically advanced machinery ensures a continuing policy of service and quality assurance that customers can really depend on.

Situated in the heart of the North West of England (just off the M62 motorway) you can easily visit Carter by air, road or rail through an accessible network of travel links.

CARTER INTERNATIONAL LTD.

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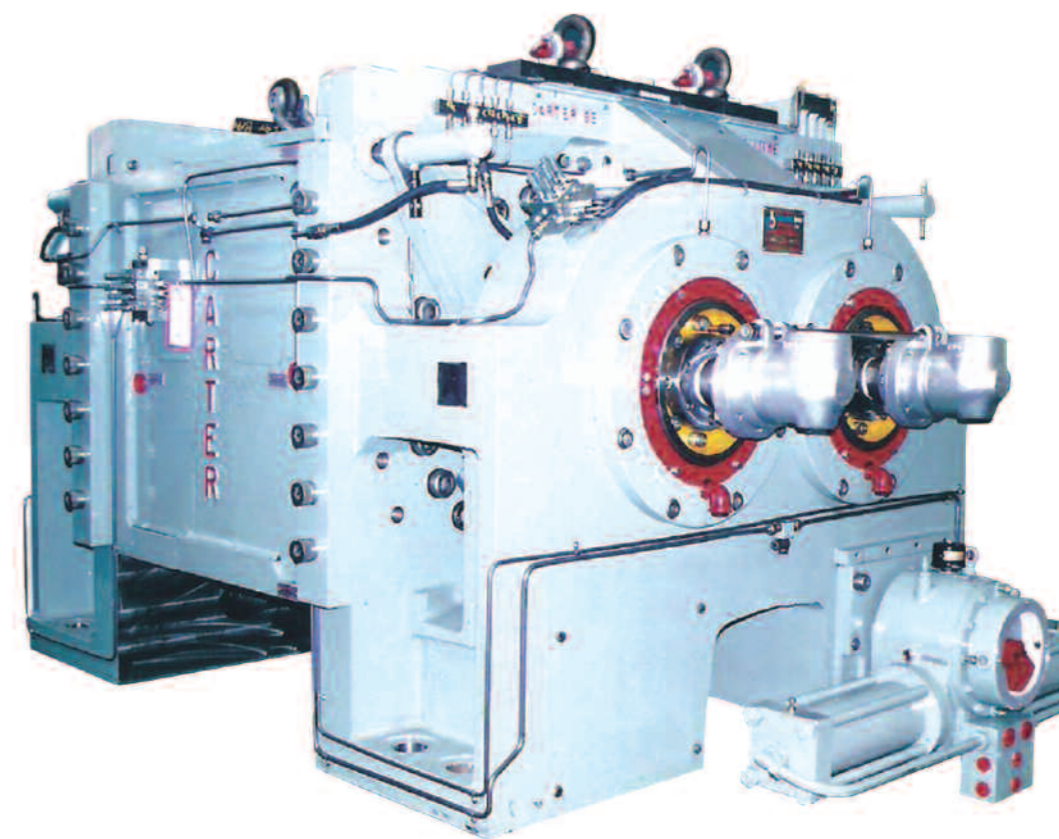
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CARTER

Rebuilds, Repairs & Renewals
Mixers & Extruders



Re-conditioned Internal Mixer Bodies

Carter International is a leading supplier of new and rebuilt internal mixers. We have been rebuilding mixers since the 1950s and producing new machines since the 1960s from which we have gained a large amount of experience. As such we are able to offer internal mixers that will prevail in increasingly difficult conditions for the production of Rubber & Plastics.

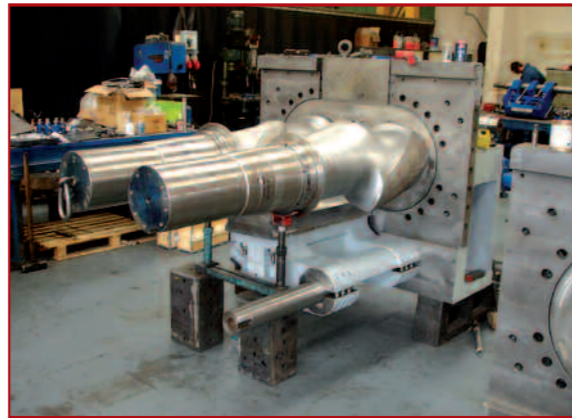
We can completely overhaul any mixer of any size or make and style that is in the field. It can be rebuilt and have all of the latest designs and upgrades fitted that are available in the market.

We can either replace your existing mixing chamber with a new exchange unit or we can fully recondition your spare mixing chamber (which can be of any original manufacture).

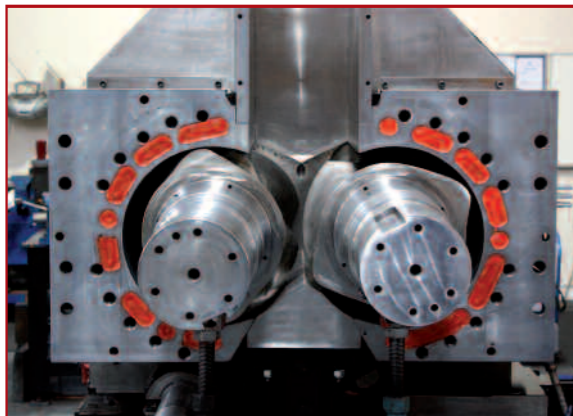
All mixer bodies are fully reconditioned and can be upgraded to incorporate Carter advanced technology. All new parts fitted i.e. Rotors, End Frames, Jacket (sides), Water cooled rotor end plates, Drop Door supports (gate) are manufactured from heavy duty steel. All parts are made to standard dimensions to ensure interchangeability with existing components.



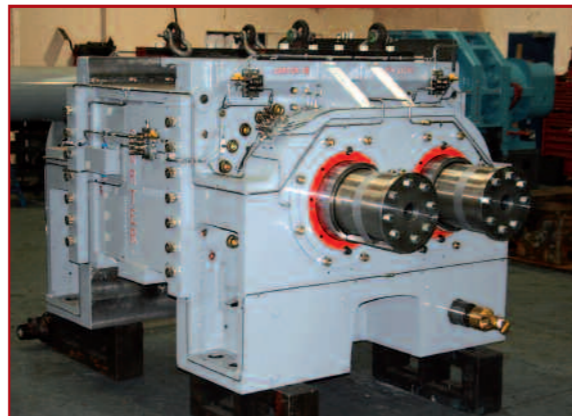
■ F270 mixer body prior to cleaning, overhaul and upgrading.



■ The rebuilt F270 mixing chamber during re-assembly.



■ The mixing chamber is fitted with reconditioned rotors, new Jackets/sides, new doortop, new rotor end wear plates, new bearings, new dust seals, new lubrication blocks and new rotary joints.



■ The F270 mixer body fully rebuilt to as-new specification.

Re-conditioned Internal Mixer Bodies

JACKETS (SIDES) - Heavy Duty Steel (NEW)

Two stage heavy-duty drilled type, manufactured from high duty steel fabrications from forged steel tube and weldable structural steel.

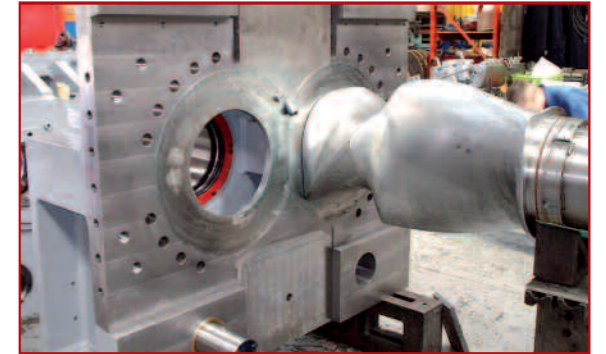
Bores protected with, for example Grade 1 Stellite.



ENDFRAMES — Rebuilt Existing

Endframes can be fitted with water cooled rotor end wear plates, weight and door wear plates.

Endframes fitted with new bearings and seals.



ROTORS — Fully reconditioned

The rotors are complete stripped of the existing hard weld and chrome plate before being ultrasonically tested prior to the refurbishment process.

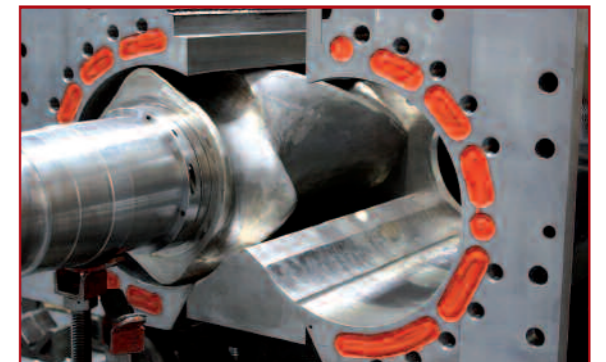
If found suitable the rotors are repaired and re-welded with, for example Stellite Grade 1.

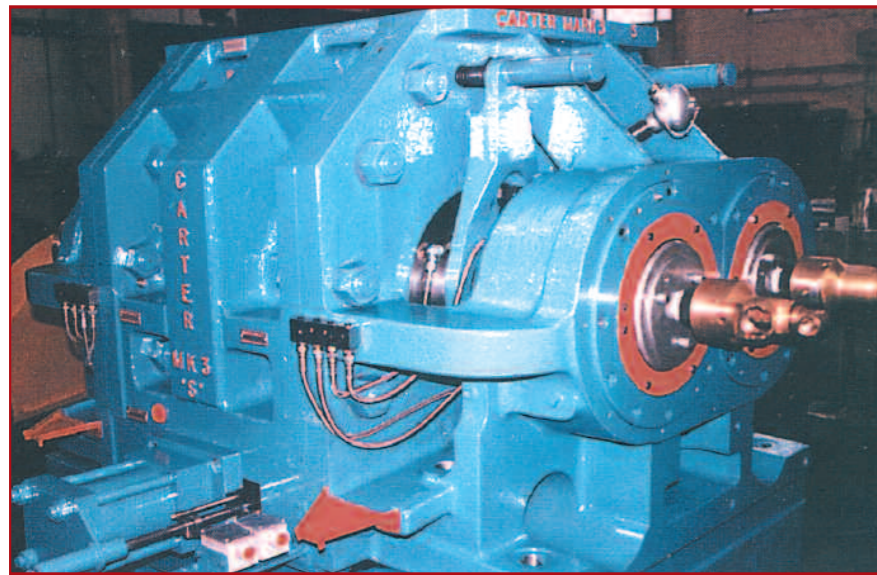


DOORTOP

Door top part manufactured from weldable structural steel, drilled serpentine type for closer control of cooling; fully machined and drilled to accept two thermocouples.

Hard chrome plated or hardwelded on mixing chamber surfaces.





CARTER MK3 S 80 litre Turbo-Swirl uni-drive body unit for an on site conversion of similar capacity drop door uni-drive mixer. E.g. 3D, 3DX and F80.

The MK3 S offers stronger rotors with bigger journals and can accept more power and torque.

Inspection, Maintenance Service & Emergency Breakdown Repairs

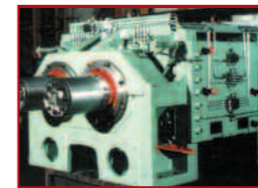
In addition to emergency support Carter International can reduce the incidence of such emergencies with our regular service inspection of your plant. The inspection visits are available as a one off service or on a regular planned basis.

Your peace of mind is increased knowing independent specialists are inspecting and advising of impending problems on your mixing machinery, giving you adequate time to order spares and service to be completed when it suits your production needs.

Any type of emergency repair is undertaken by our specialist team of fitters and welders. The on-site dismantling and rebuilding team are supported by our fully equipped machine shop and welding centre where, for example, hard surfacing can be repaired or replaced.



We can rebuild any type, size or manufacturers style of machine.



F270, 270 Litre Mixer Body



11D 234 Litre Mixer Body



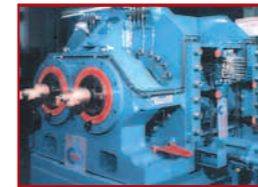
Homrich Mixer



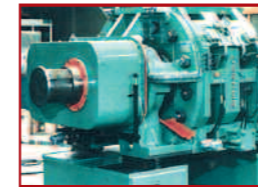
F80, 80 Litre Mixer Body



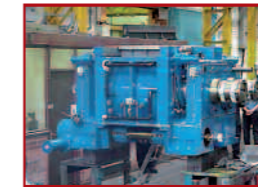
S268, 268 Litre mixer Body



F120, 120 Litre Mixer Body



3D, 70.5 Litre Mixer Body



PN270, 270 Litre Mixer Body



F200, 200 Litre Mixer Body



K5 Intermix, 143 Litre Mixer Body

RECONDITIONED MIXERS

All type of internal mixers are fully re-manufactured and brought back to original dimensions and standards. Working surfaces can be coated with hard chrome, Stellite Grade 1, crack free hard weld, Chromal 3AS or Chromal 30.

Upgrades and modifications can be carried out during rebuilding where we can fit new rotors of any style: 2 wing, 4 wing; fit new jackets/sides and change the dust seals (F, FH, FYH, SSA, Differential, GA, WYH, etc.)

Range of Reconditioned Batch Mixers

FARREL 1A, 1D, 3A, 3D, 3DX, 9A, 9D, 11A, 11ARB, 11D, 11 DX

F SERIES F40, F80, F120, F160, F200, F270, F370

FCM 4CM, 4UM, 6FCM, 9FCM, 12UM

SHAW INTERMIX K1, K2, K2A, K4, K5, K6

POMINI PN80, PN120, PN160, PN240, PN270

Plus complete range of:

Skinner	C.A.F. Mixers
Baker Perkins Mixers	H.F. all G.K. and L.H. series
Kobe/Kobelco BB	Werner Pfleiderer,
Stewart Bolling	Homrich
Nipponroll Mixers	Guix



K6 Intermix

Oil Lubrication Systems



The Carter variable control Dust Stop Lubrication System allows for adjustable process oil control. A 2 kW AC variable frequency motor and pump control the process oil and lube oil to the seals.

The system can be slaved to the Mixer drive motor, which in turn will follow the rotor speed, i.e. the slower the rotor speed the less oil is delivered. The system includes motors, pumps, control enclosure and high-pressure switches all mounted on a steel panel.

From the pump the oil is passed to the machine via two pipes and is fed to the seals through a positive feed distribution block ensuring that full pressure is available at each feed position.

The system is fitted with relief valves and the distribution blocks have alarm switches to indicate any stoppage in the lubricant feed.

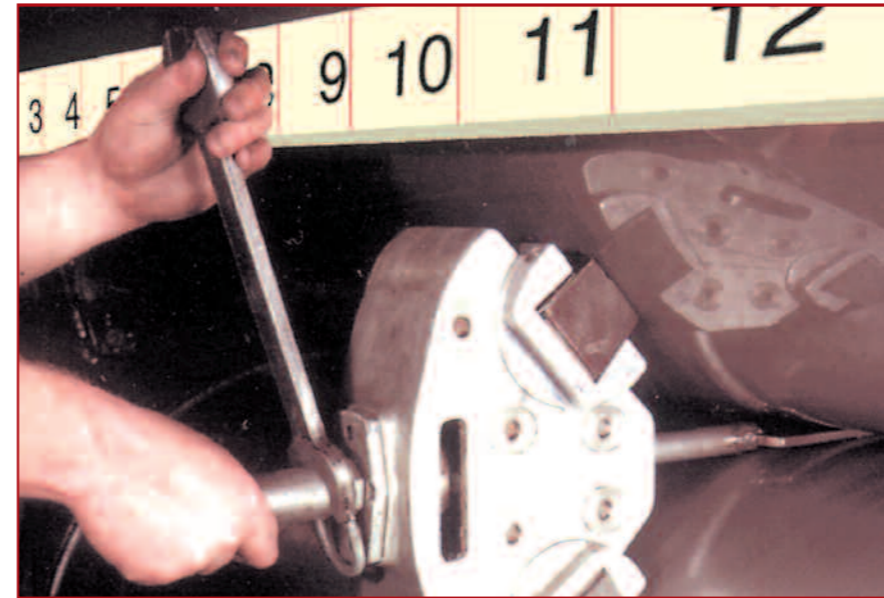
Spare Parts



A wide range of spare parts for internal mixers are carried in stock.

Not only for the complete range of Carter Internal Mixers but also for repairs and replacements to Internal Mixers from Francis Shaw, Farrel, Bolling, W & P, Kobe, Krupp, Pomini, Skinner, etc., from Rotors to Coupling Rubbers.

In-Situ Roll Honing



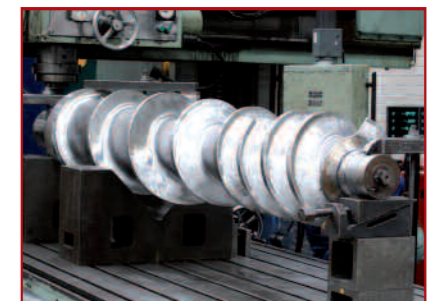
Carters offer a service to the industry, our specialist team is available to undertake in-situ roll grinding and re-profiling to suit all your production requirements.

Extruders and Continuous Mixers

Carters supply a wide range of repaired and re-manufactured extruders and continuous mixers and all work is carried out in-house.

Extruder screws and continuous mixer rotors are re-manufactured to prolong life, and worn out liners are replaced with new hard welded types.

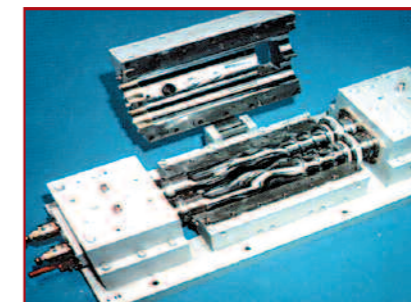
A full inspection and report of extruder/continuous mixer parts is carried out prior to the work being undertaken to give a real indication of condition.



15 /18 Extruder Screw



New 9cm Rotors



4LM Mixer



10 Dump Extruder