

CTM supply high performance mixing heads and mixing head repairs for all P.U. machines



High performance mix heads ex stock

### CTM stock high performance high pressure mixing heads.

Our **FPL HP** and **FPL** high pressure mixing heads are mechanically self-cleaning.

Our mixing heads deliver a laminar flow making them perfect for open-mould dispensing and closed-mould injection.

We have several different models for specific applications and end user performance requirements.

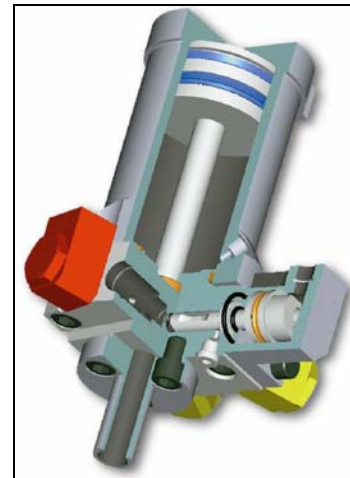
### Working principle of our high pressure mixing heads.

The main feature of our FPL mixing head is the "L-shaped" mixing chamber, which is created by the right-angle arrangement of two cylindrical piston chambers.

Each cylinder contains a hydraulically operated and individually controlled piston with associated proximity switch.

Adjustable mixing jets within the mixing head provide a way to fine-tune the pressure that the components are mixed.

Optimum mixing is achieved by the turbulence created by the high velocity impingement of the two components as they collide and enter the mixing chamber.



Sectional view of the FPL mixing head

## Main advantages of our high pressure mixing heads



Twin mixing chambers for dual hardness foam processing

The relatively small dimensions of the mixing chamber enable a fast change from high pressure recycle to pouring thus avoiding any pressure peaks and pre-flow of one component with respect to the other.

High pressure recycling and pouring is through the same jets which ensure simple pressure regulation.

The configuration of the mixing chamber allows optimum mixing of particularly difficult P.U. systems

The lightweight design of the mixing head and laminar flow qualities of the outgoing material make the FPL perfect for open-mould and automated pouring.

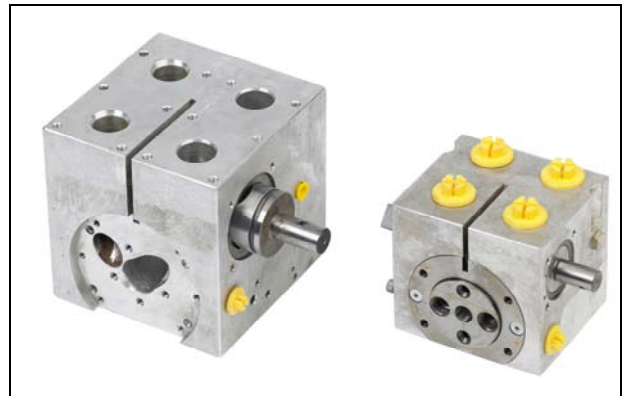
## Mixing head repair service for all brands



## We repair low pressure mixing heads

In addition to our comprehensive range of new low pressure mixing heads and replacement parts, we also offer a full refurbishment service.

Our repairs feature new component spools and new mixer shaft and bearing assembly when required.

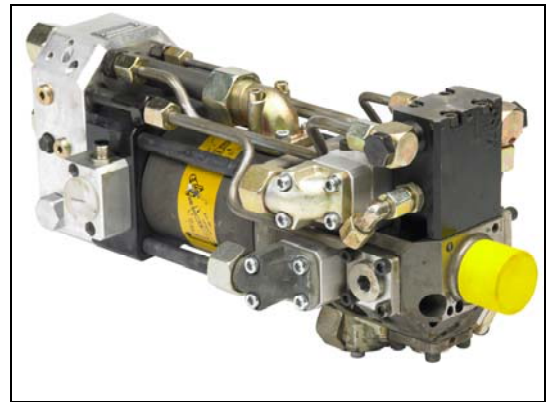


## We repair high pressure mixing heads



In addition to our comprehensive range of new high pressure mixing heads and replacement parts, we also offer a full refurbishment service.

Our repairs include the fitting of new re-sized mixing and cleaning pistons. Each mixing head is fully tested hydraulically and supplied with a test certificate that confirms the new tolerances achieved.



## Replacement parts for mixing heads

In addition to our new mixing head supply and repair service, we supply consumable parts such as jets, nozzles, nozzle holders, seal kits and proximity switches for most brands of mixing heads