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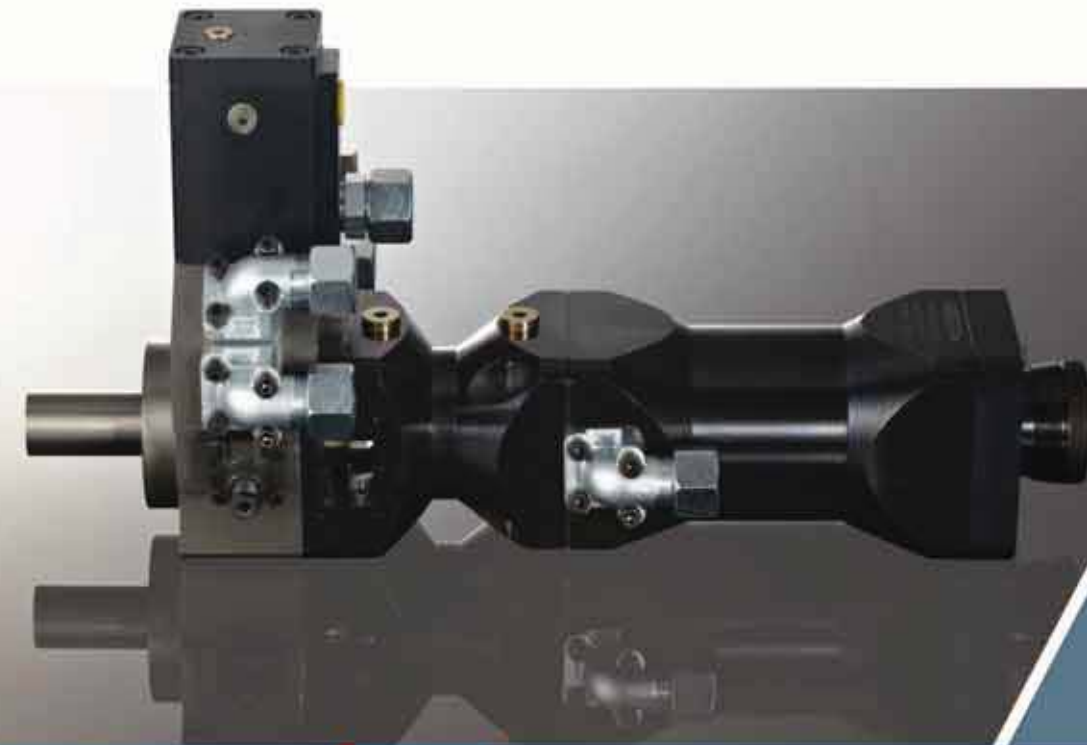
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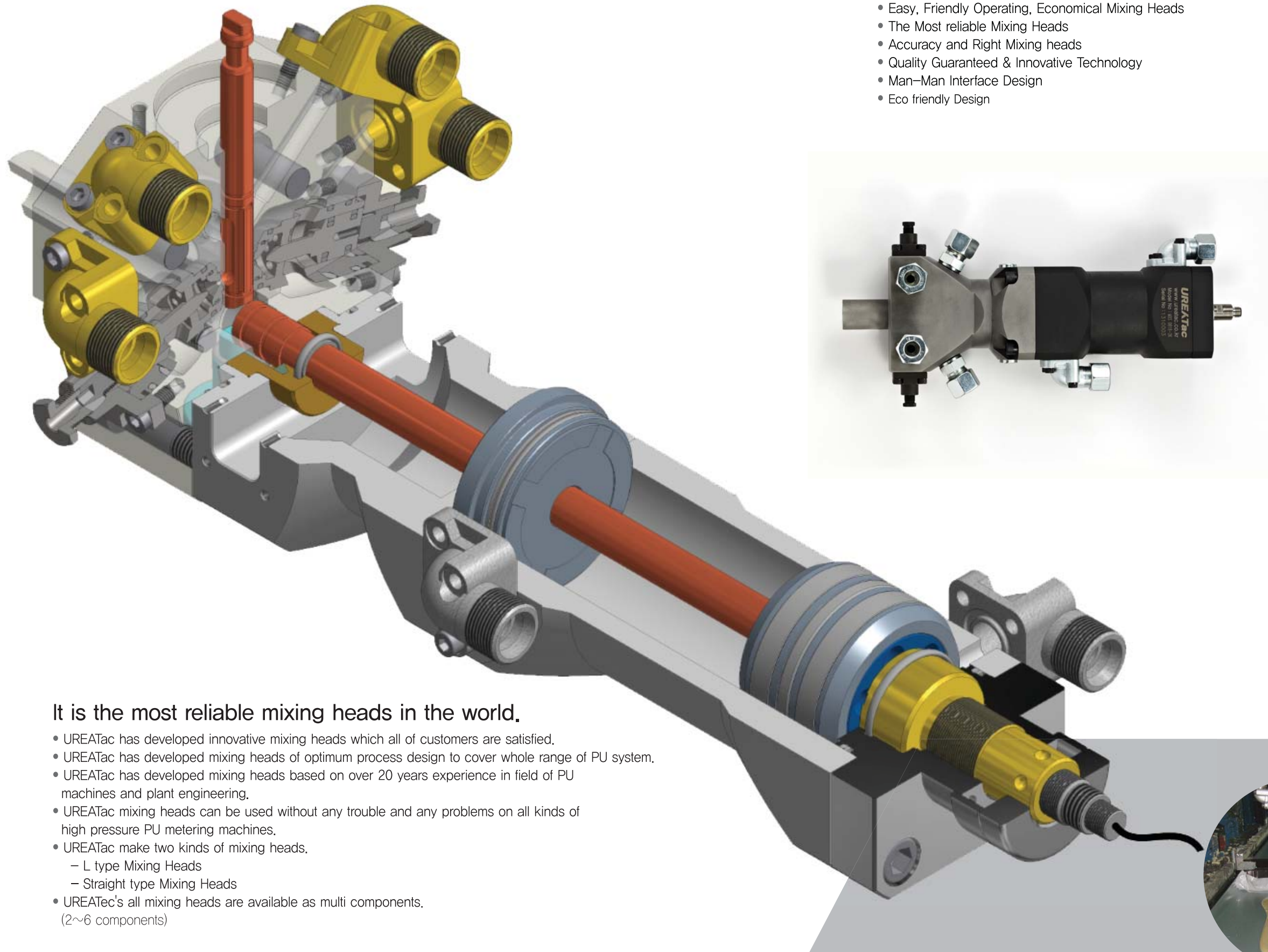
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**Mixing Head**

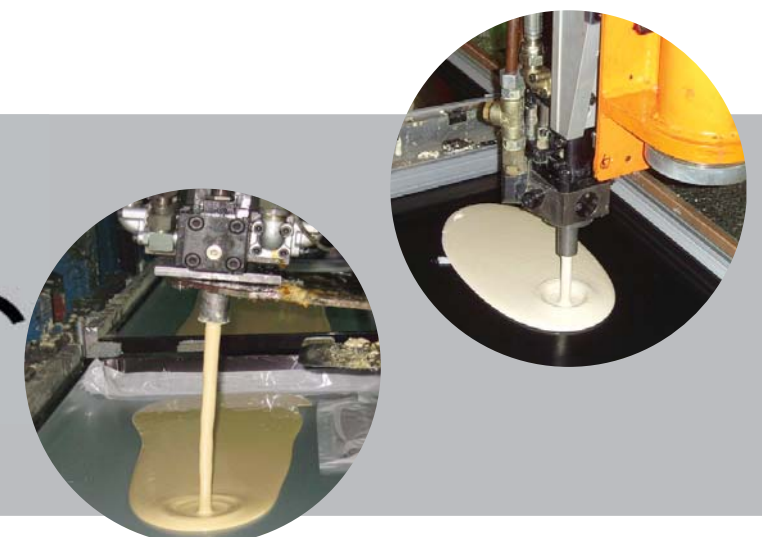
UREATac Mixing head is the best solution for your production.

- Easy, Friendly Operating, Economical Mixing Heads
- The Most reliable Mixing Heads
- Accuracy and Right Mixing heads
- Quality Guaranteed & Innovative Technology
- Man-Man Interface Design
- Eco friendly Design



It is the most reliable mixing heads in the world.

- UREATac has developed innovative mixing heads which all of customers are satisfied.
- UREATac has developed mixing heads of optimum process design to cover whole range of PU system.
- UREATac has developed mixing heads based on over 20 years experience in field of PU machines and plant engineering.
- UREATac mixing heads can be used without any trouble and any problems on all kinds of high pressure PU metering machines.
- UREATac make two kinds of mixing heads.
  - L type Mixing Heads
  - Straight type Mixing Heads
- UREATec's all mixing heads are available as multi components. (2~6 components)





## MXL Type, 2Comp (L-Type)

- UREATac's L-Type mixing heads are injected two components into mixing chamber of MC piston.
- The flows of mixed components into the outlet pipe that is offset by 90°
- This L-Type mixing heads ensures a laminar flow, non splashing output and excellent mixing quality even with small output volumes into the open mould.
- After shot, the cleaning piston clean outlet pipe.
- UREATac's L-Type mixing heads are increased mixing efficiency of up to 30% due to innovative nozzle system and mixing mechanism.
- There are available as 2,3,4,6 components.



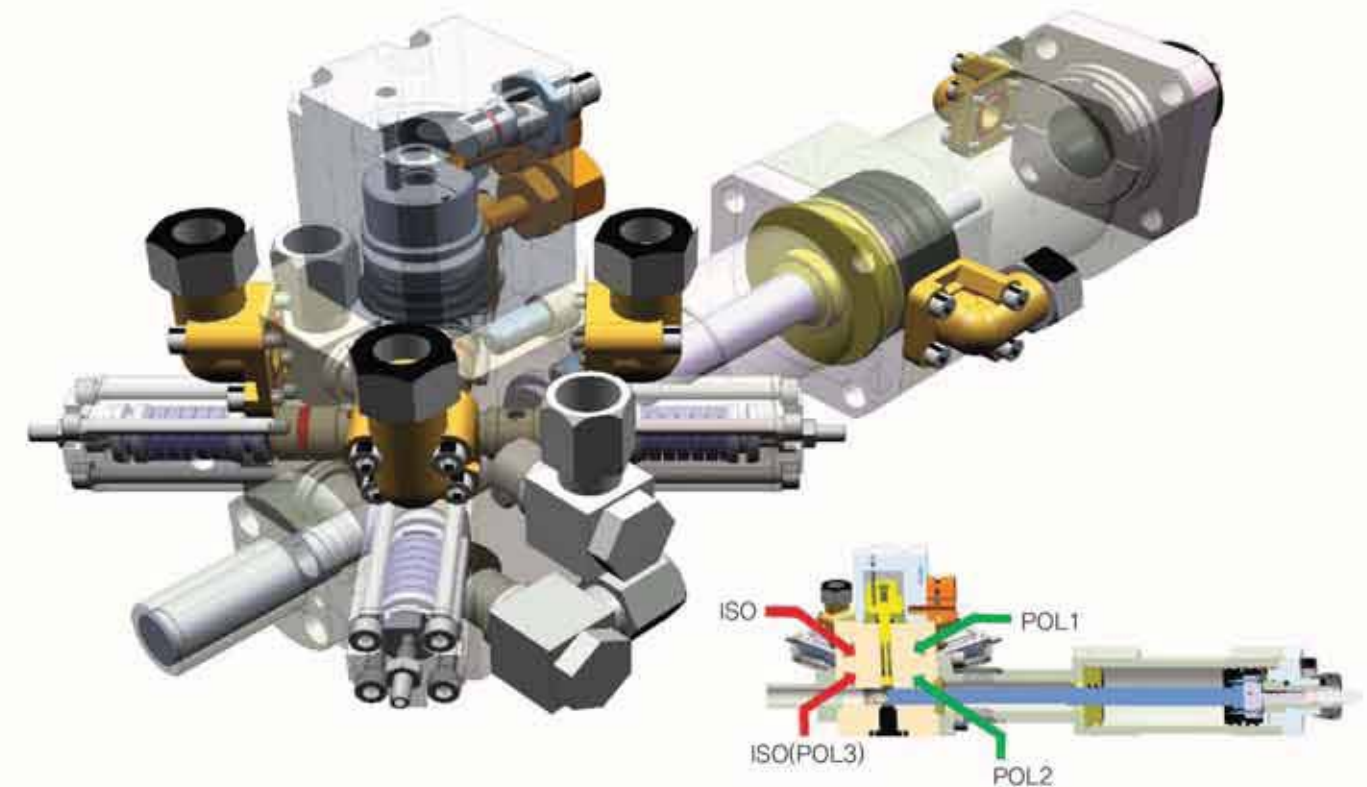
## MXL Type, 4Comp (L-Type)



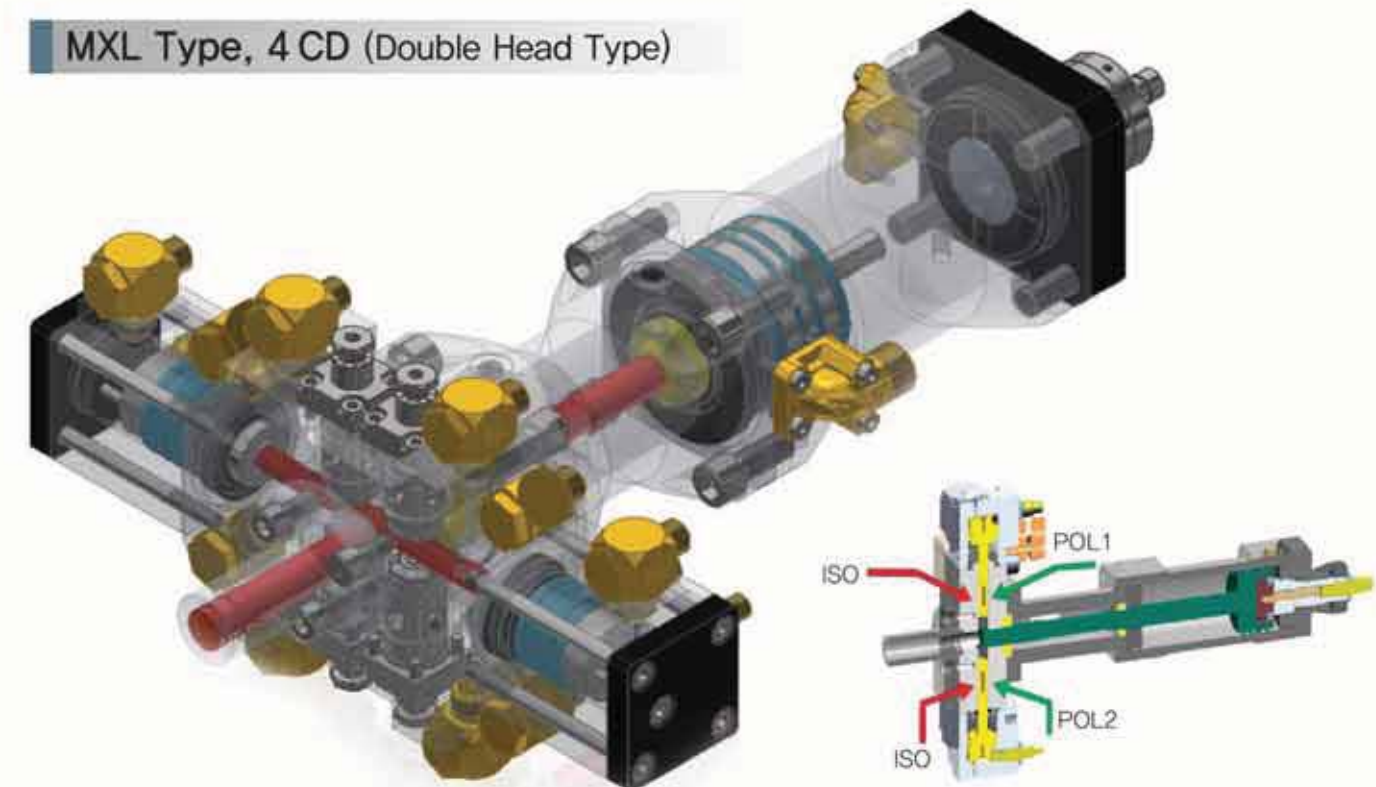
### The Strong Points

1. High function, Economical & Reliable mixing heads
2. Perfect laminar flow and mixing quality
3. Low and Quick maintenance & zero defects
4. Eco friendly and self cleaning piston type
5. Easy operation & Simple Design
6. Min. shot time 0.3 sec
7. Several million shots possible (Long life time)

## MXL Type, 4 CS (Single Head Type)

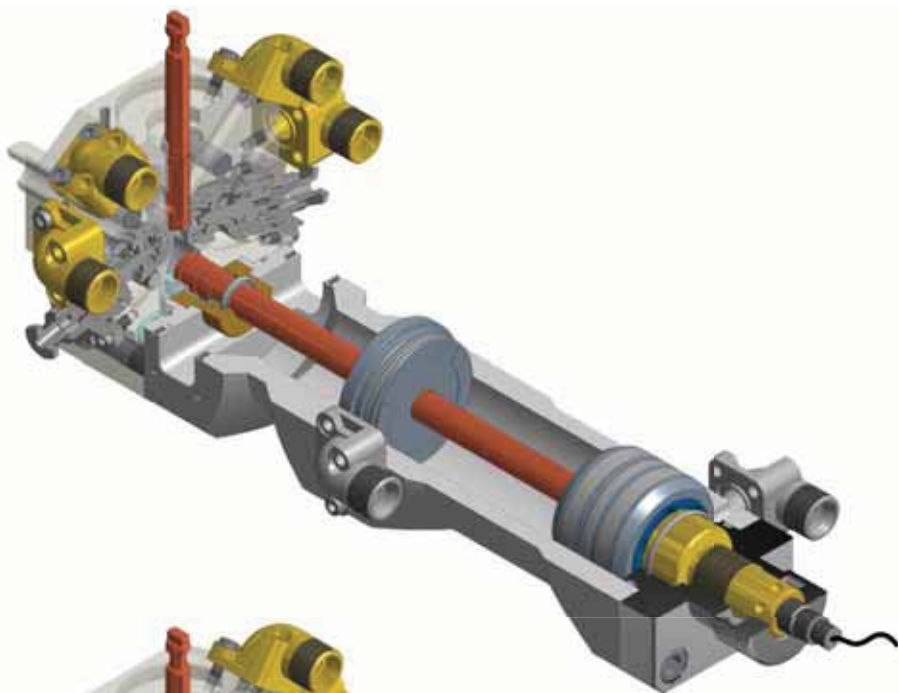
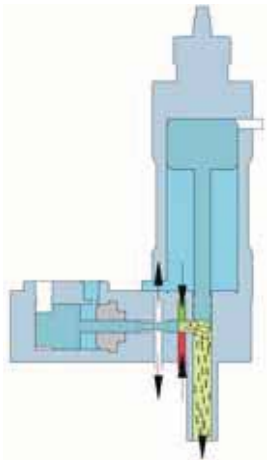


## MXL Type, 4 CD (Double Head Type)

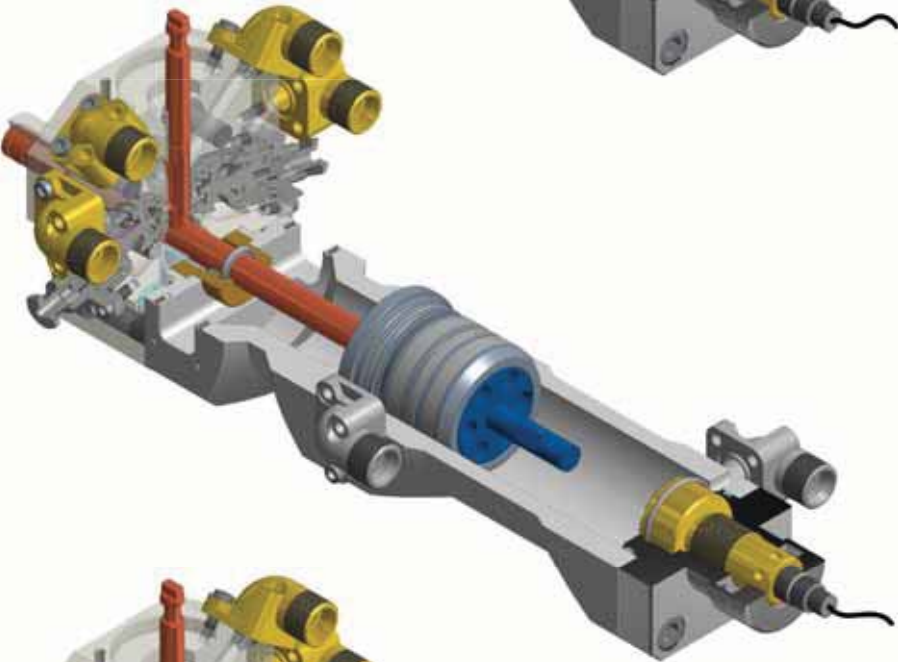
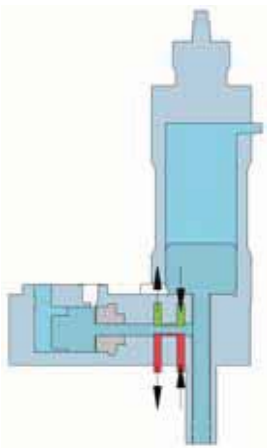




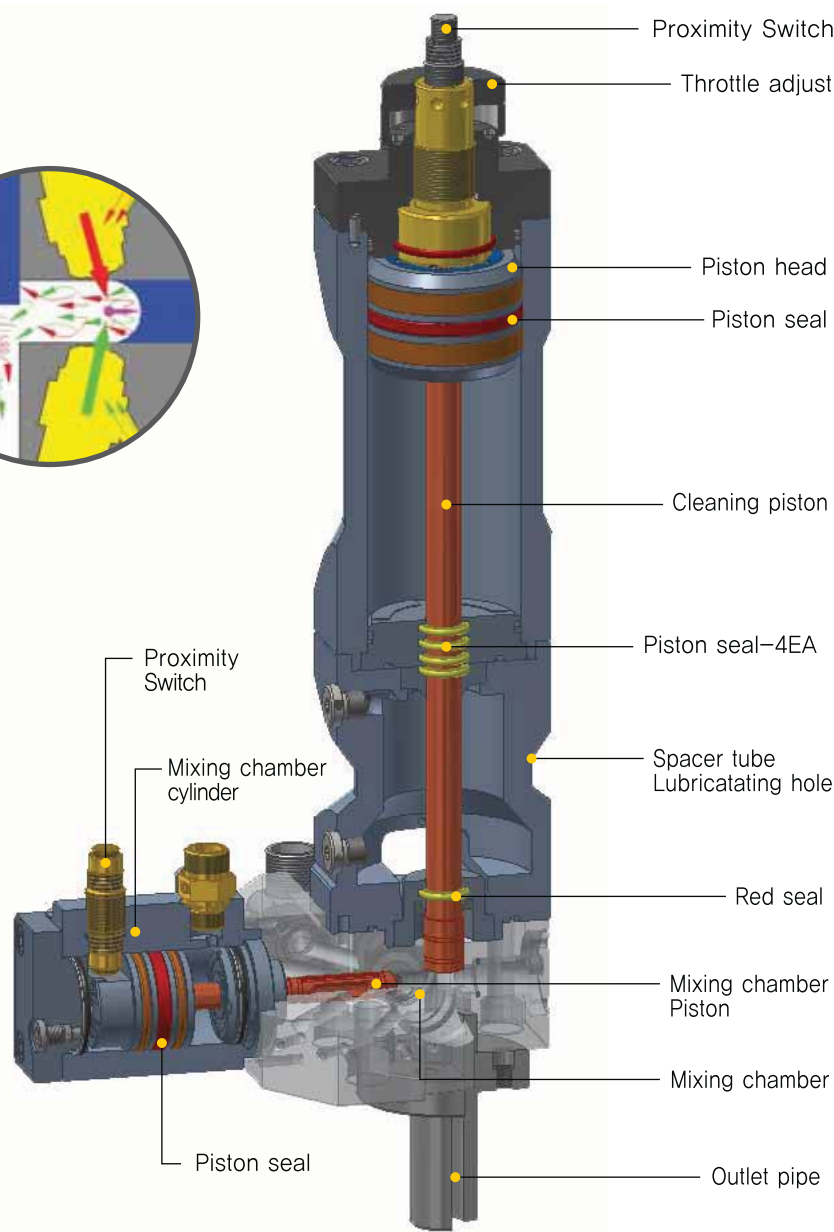
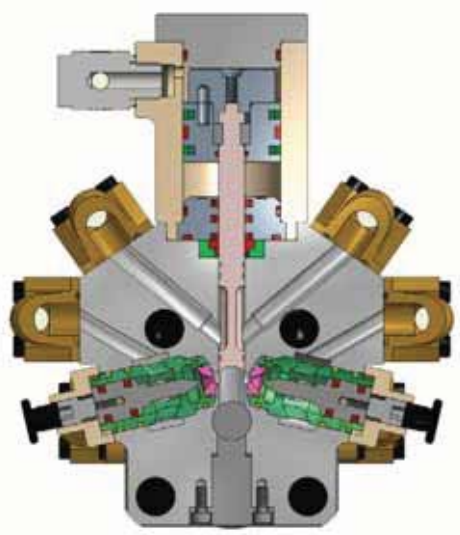
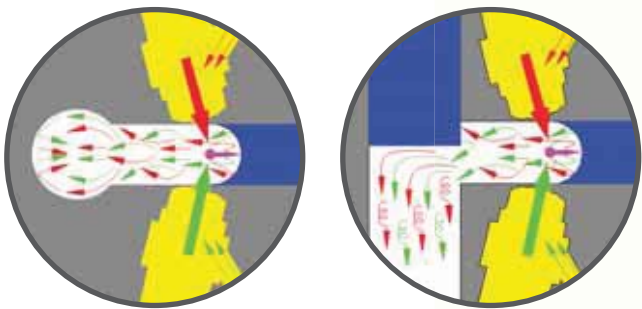
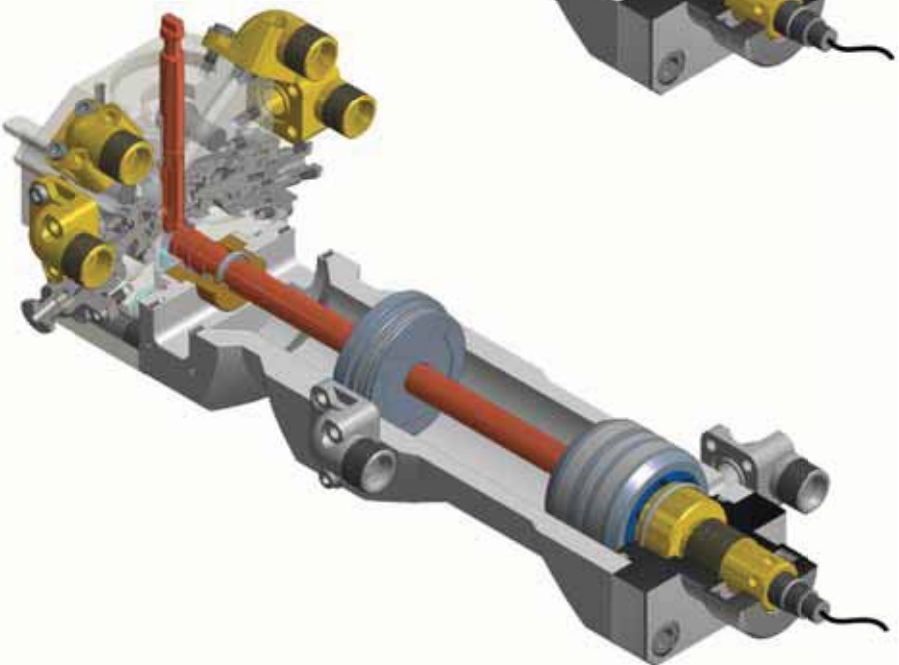
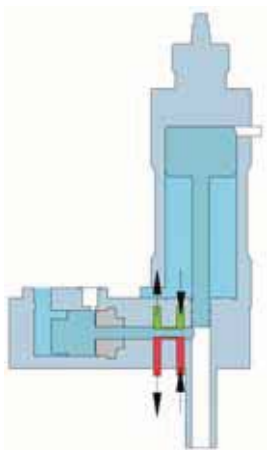
Injection



Cleaning



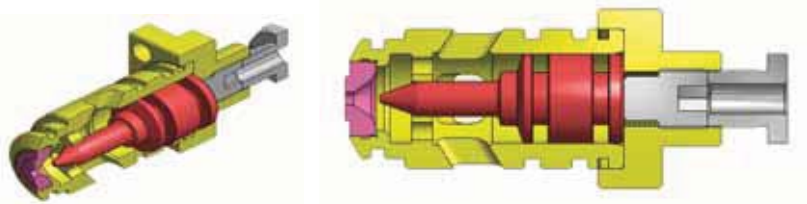
Circulation



Nozzle Diameter



- L-Type Head  
Ø / 0.3 / 0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.2 / 1.5 / 2.0 / 3.0 / 3.5 / 4.0 / 4.5 / 5.5
- S-Type Head  
Ø / 5.0 / 5.5 / 6.0 / 6.5 / 7.0 / 7.5 / 8.0 / 9.0 / 10 / 11 / 12



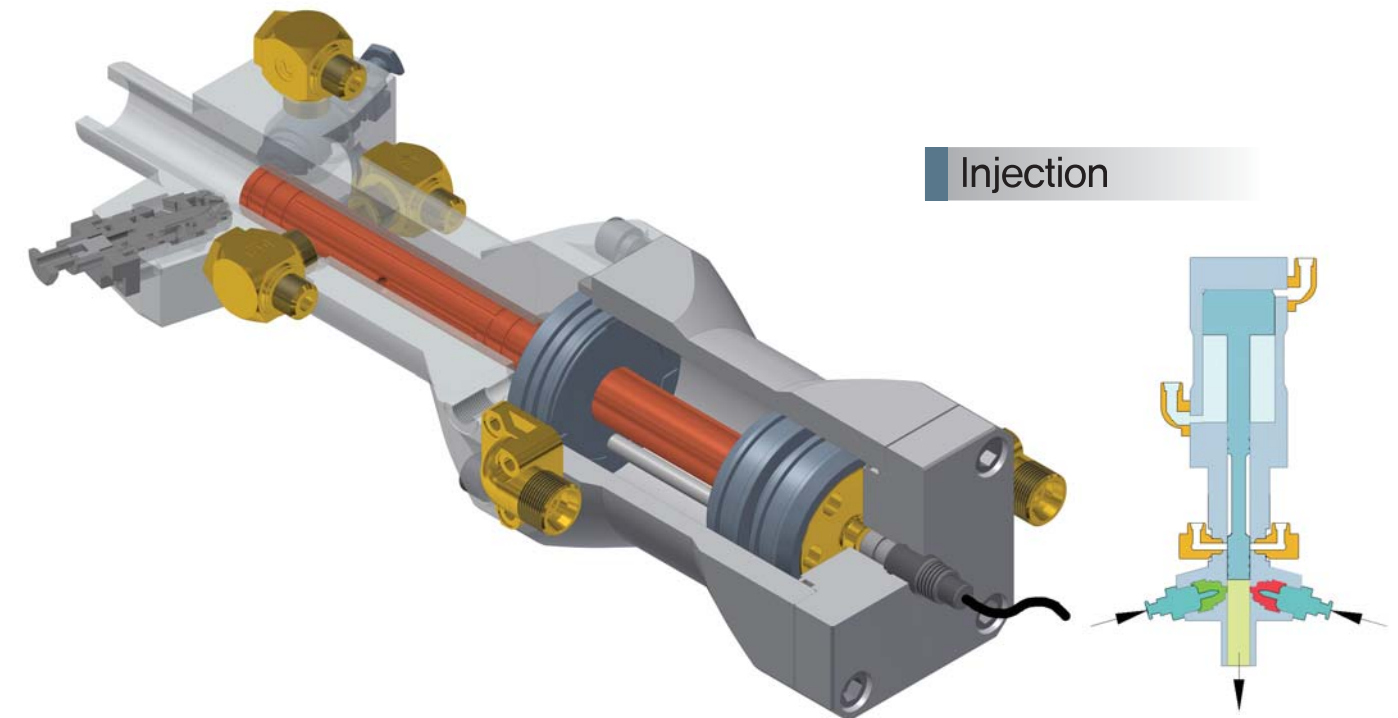
## MXS Type (Straight Type)

- UREATac's Straight mixing heads are mixed directly by powerful collision principle of two components at mixing chamber.
- Two Components by collision is mixed completely, reliable and intensively at mixing chamber.
- There are available as 2, 3, 4 components.

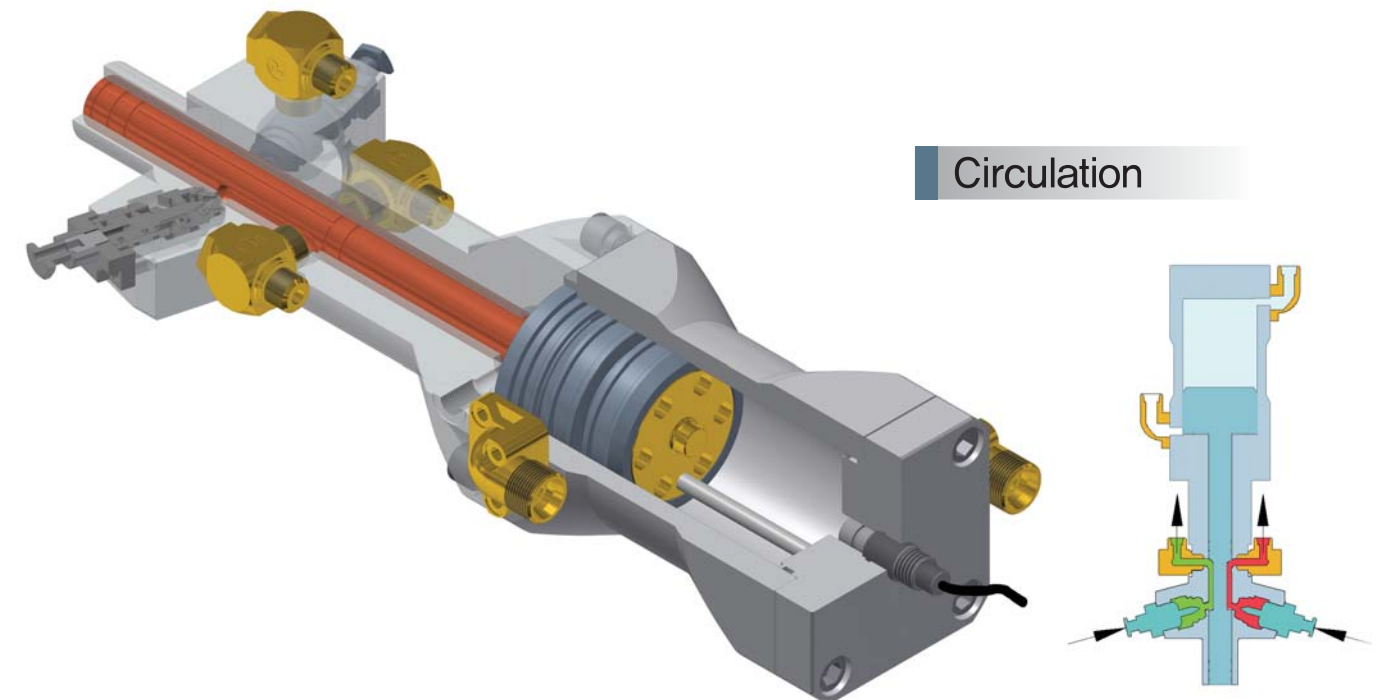


### The Strong Points

1. Economical & Reliable mixing heads
2. Eco friendly and self cleaning piston type
3. The pressure setting can be controlled by nozzle needle
4. Min. shot time 0.3 sec
5. Several million shots possible



Injection



Circulation

### UREATac's Mixing Heads Maintenance

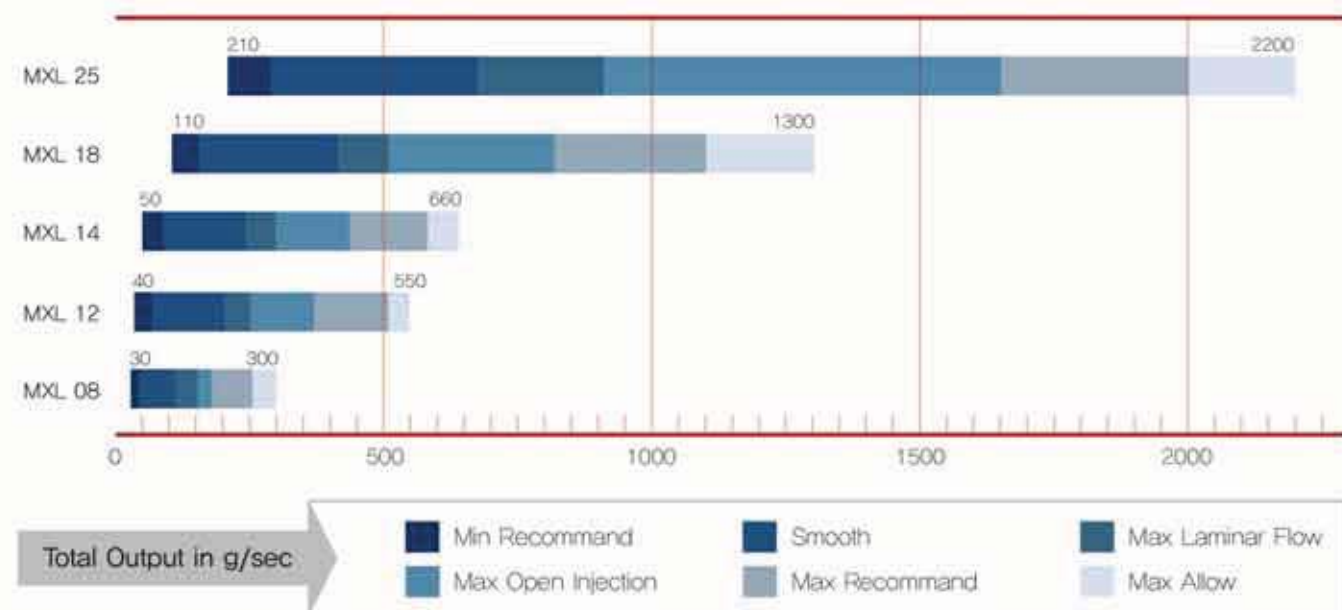
- Quick and Easy Design
- Lubricating and cleaning are very easy to carry on
- Quickly and easily disassemble and assemble
- Quick delivery for all spare parts
- In case of repair and overhaul of mixing heads, quick handling at economical price
- In case of emergency in customer production, we prepare for spare mixing head for customer service quickly



## Mixing Head Comparative Data

UREATac	Cannon	Hennecke	Krauss Maffei (KM)	EMB (Elastogram)
MXL Mixing Heads (L-Type)				
MXL 0507-2C		MT6, MX8	MK 5/8-2K	
MXL 0608-2C	FPL 10	MT8, MX8	MK 5/8-2K	MKE 10-3B
MXL 0812-2C/3C		MT12, MX12, MQ12	MK 8/12-2K	
MXL 1014-2C	FPL 14			SMA 10-2/16, MKE 14-3B
MXL 1016-2C			MK 10/15-2K	SMA 14-4/22
MXL 1218-2C	FPL 18	MT18, MX18, MQ18	MK 12/18-2K	
MXL 1220-2C				MKE 20-3B
MXL 1220-4CD			MK 12-12/18-2K	
MXL 1220-4CS		MQ18-4C	MK 14/20-4CN	
MXL 1422-2C				SMA 14-2/22
MXL 1422-4CD	FP2L 22			
MXL 1625-2C	FPL 24	MT26, MX25, MQ25	MK 16/25-2K	SMA 20-2/32, MKE 24-3B
MXL 18/22-6CS		MT22-6	MK 18/22-6CN	
MXS Mixing Heads (Straight Type)				
MXS 10-2C	LN 10			MKE 10-2K, MKE 10-3B
MXS 18-2C	LN 18			MKE 20-2K
MXS 25-2C	LN 25			MKE 28-2K, MKE 24-3B
MXS 30-2C				MKE 28-2K
MXS 36-4C				MKE 28-2K

## MXL Mixhead Flow Rates



## Output Range by Mixing Head Models

High Pressure Mixing Head

Models	Mixing Ratio & Output (g/sec)			
	1:1	2:1	3:1	Laminar Flow Range at Open Mould
MXL Mixing Heads (L-Type)				
MXL 0608-2C	15~70	15~55	20~45	15~70
MXL 0610-2C	30~300	35~225	40~200	20~140
MXL 0812-2C/3C	40~550	45~410	50~370	40~220
MXL 1014-2C/3C	50~660	120~600	150~500	80~300
MXL 1218-2C/3C	110~1300	120~825	130~740	120~400
MXL 1220-2C/4C	130~1500	130~950	150~900	130~450
MXL 1422-2C/4C	180~1800	200~1500	300~1200	250~650
MXL 1625-2C	250~2200	270~1800	300~1600	400~800
MXS Mixing Heads (Straight Type)				
MXS 10-2C	70~600	230~1000	230~900	
MXS 12-2C	150~1300	450~2300	500~2000	
MXS 18-2C	400~2500	1250~4500	1400~4000	
MXS 25-2C	1000~5000	1500~6000	1500~5000	
MXS 30-2C	1500~7000	3000~9000	3000~8000	
MXS 36-2C/4C	3000~10000			

### Mixing head Models by Application

- Refrigerator Door : MXL 1014-2C or MXL 1218-2C  
Cabinet : MXL 1422-2C or MXL 1625-2C
- Door Trim : MXL 0812-2C
- Head Rest : MXL 1014-2C
- Steering Wheel : MXL 0812-3C
- Instrument Panel : MXL 1218-2C
- Discontinuous Panel : MXS 18 or 25, 30
- Car Seat : MXL 1422-2C / 4CD  
MXL 1422-2C / 4CD / 4CS
- Pipe Insulation : MXS 18 or 25, 30, 36

### Types of Heads

- MXL L-Type Head
- MXS Straight Type Head

### Components & Kinds of Heads

- 2C : 2 comp
- 3C : 2 comp + Color
- 4CD : 4 comp (2+2 Double Head)
- 4CS : Single 4 comp
- 6CS : Single 6 comp
- 2CF or 4CF : For Fillers (Special Made)

## Customer advantage for UREATac mixing head

- Low maintenance service
- Low energy consumption
- Low material consumption
- Low trouble late
- Low repair costs