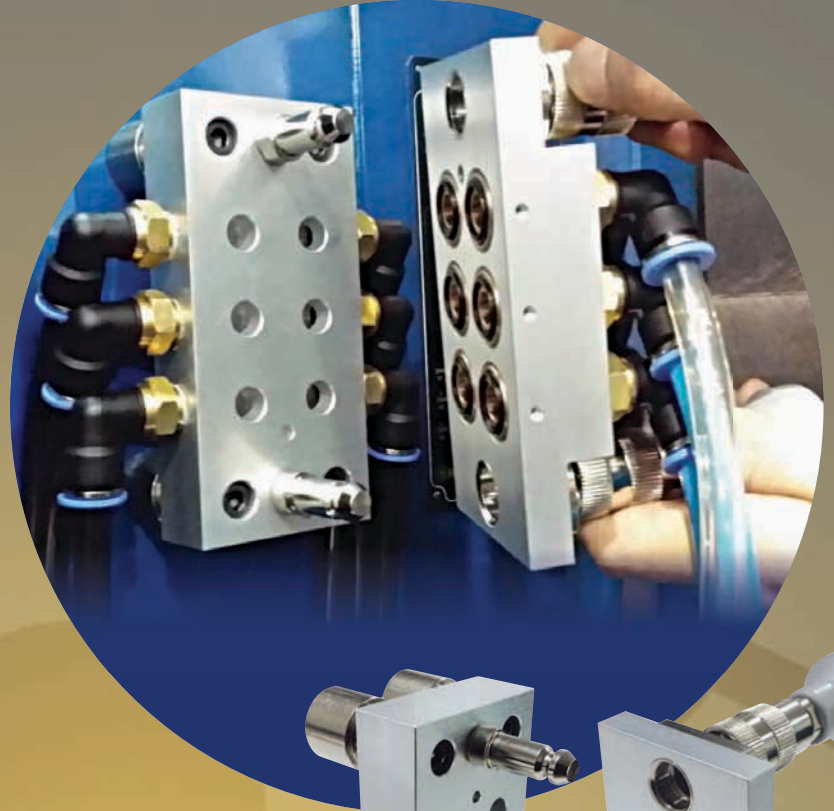


Since 1989

특허 출원중



# Multi Coupler System

금형 냉각수 교환 장치

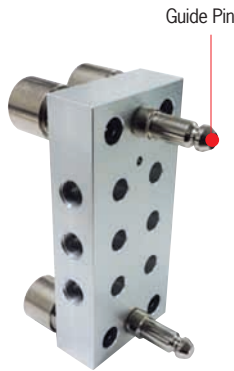


**MICO Myoungjin**  
(주) 미코명진

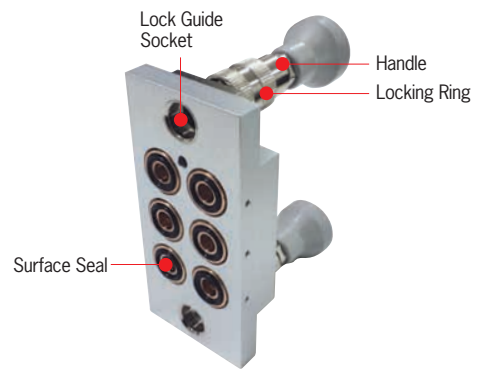
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## Multi Coupler 표준형 6구

Multi Coupler Standard 6구



금형측 Coupler  
Coupler on Mold Side



설비측 Coupler  
Coupler on Machine Side

# Multi Coupler System

## 금형 냉각수 교환 장치

성형사출기 냉각수 및 공기압 배관을 One Touch 연결

One Touch Connecting Device for the Cooling Water and Pneumatic of the Catapults' Peripheral Devices.

### Multi Coupler 설치 Image

Multi Coupler Installation Image

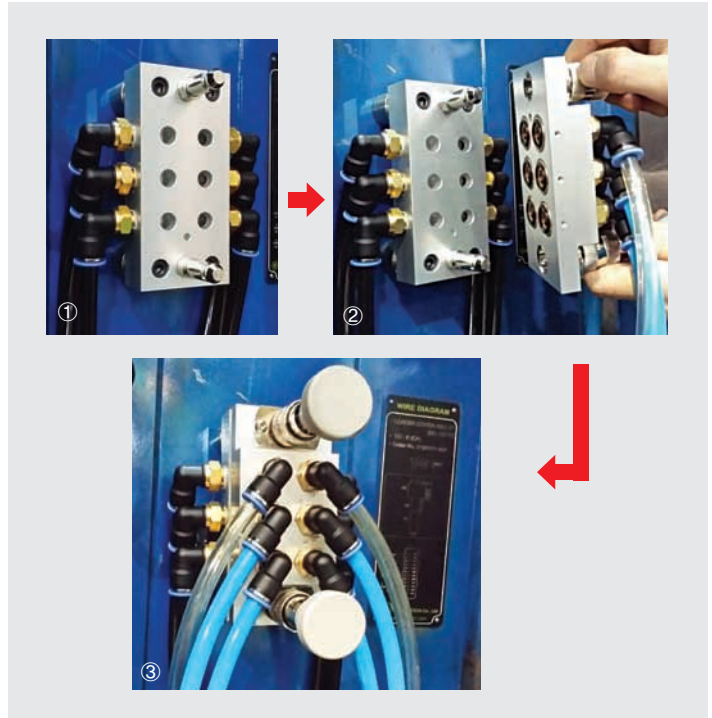


#### 〈Multi Coupler 도입 전〉

Coupler를 하나씩 결합/ 접촉 불량 발생

Before Using Multi Coupler

One by One Coupler Clamping / Contact Failure



#### 〈Multi Coupler 도입 후〉

One Touch로 Coupler 결합/ 접촉불량 방지

After Using Multi Coupler

One Touch Coupler Clamping / The Prevention of Contact Failure

모델 표기

MC - 06/08/12 - S/K

Multi Coupler

6구/8구/12구  
6hole/8hole/12hole

설비측/ 금형측 Coupler  
Coupler on Machine/Mold Side

# 사양 Specification

구분 Separation	설비측(S) Coupler on Machine Side	MC-06-S	MC-08-S	MC-12-S	비고 Remark
	금형측(K) Coupler on Mold Side	MC-06-K	MC-08-K	MC-12-K	
배관사이즈 Pipe Size		PT 1/4			그 외 사양 Option Other Specifications Options
최소통과 면적(mm <sup>2</sup> ) The Minimum Passing Area (mm <sup>2</sup> )		58			
최고사용압(MPa) The Maximum Passing Area (Mpa)		1 MPa			
재질 Material	Coupler	동합금 Copper			
	Plate	탄소강(니켈 코팅처리) Carbon Steel(Nickel Coating)			
Seal 재질 Seal Material		니트릴고무(NBR) Nitrile Rubber			
사용유체 Fluid		물/ 공기압 Water/Air Pressure			
사용온도범위 Operating Temperature Range		0~120℃			

## System 장점

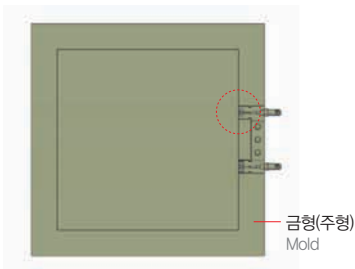
- 성형사출기에 필요한 냉각수 및 공기압 배관을 수 초 내에 연결 / Coupler 결합시간 단축
- 생산성 향상 및 제품품질 확보 – 사양별 배관 연결 오류에 대한 작업자 실수 방지
- Handle을 손으로 가볍게 Push하여 신속하게 Locking되는 Guide System—Compact화 실현

## System Benefits

- A Fast Connection of the Cooling Water and Pneumatic Needed for the Catapult.
- Productivity Improvement and Quality Guarantee. Operator Error Protection for Piping Specifications by a Connection Error.
- Minimization of the Guide System, Which is Enable to Lock Promptly by Pushing the Handle Softly.

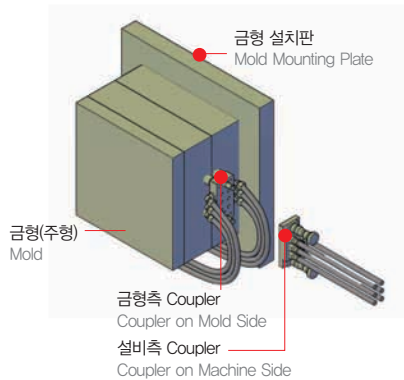
## Multi Coupler Magnet 금형 부착 Image

Multi Coupler Magnet Attach Image



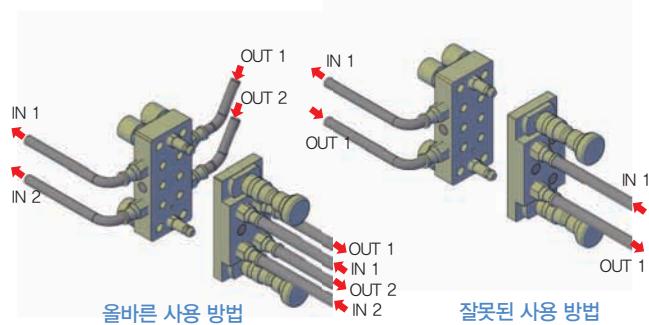
## Multi Coupler 설치 Image

Multi-Coupler Installation Image



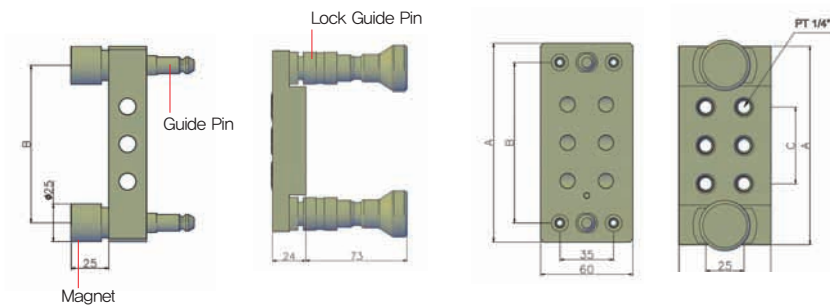
## 배관 사용 방법

How to Use the Plumbing



## 외형 치수도면

Appearance Dimensional Drawings



	MC-06-S/K	MC-08-S/K	MC-12-S/K
A	130	155	205
B	105	130	180
C	2*25 Pitch	3*25 Pitch	5*25 Pitch

- 커플러 동작 정지시 유체 압력이 제로가 되면 커플러를 분리하지 않은 상태에서 Sael 기능은 없어지게 되므로 커플러 접속부에 남아 있는 유체가 커플러 외부로 소량 흘러 내릴 수 있습니다.

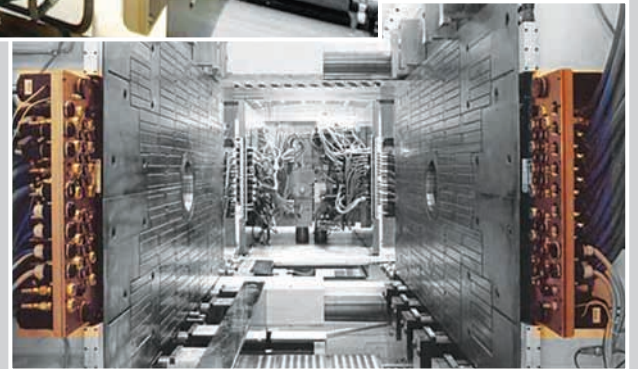
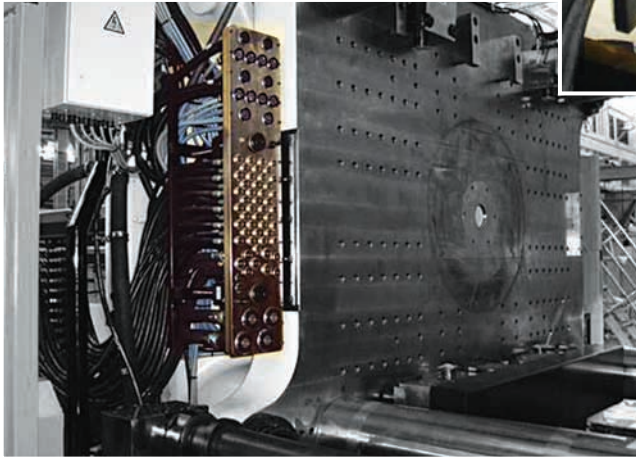
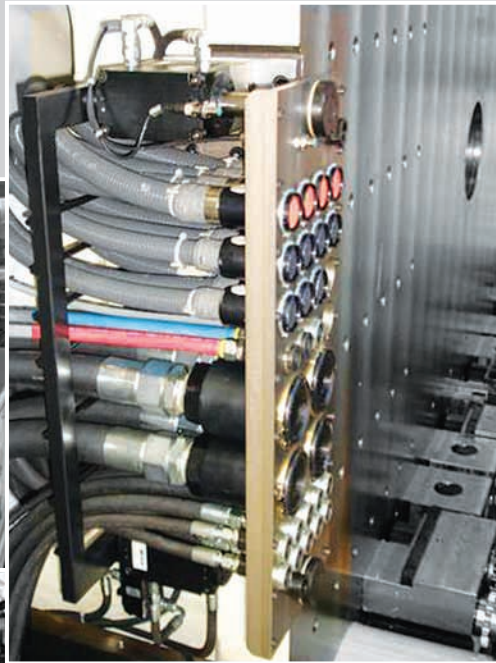
- 유체 통과시 반력이 생기므로 사용할 커플러는 Lock 가이드 핀을 중심으로 좌우 대칭이 될 수 있도록 배치해 주십시오.

- When Stopping the Coupler Operation, the Fluid Pressure Rate would be Zero and Sael Function Would be Removed. Therefore, the Slight Remaining Fluid Might Flow Down.

- Because the Reaction Force Occurs When Passing the Fluid, Coupler Should be Assigned with Lock Guide Pin as the Center so as to be Symmetrical.



# MICO Auto Coupler



## MICO Myoungjin (주) 미코명진

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