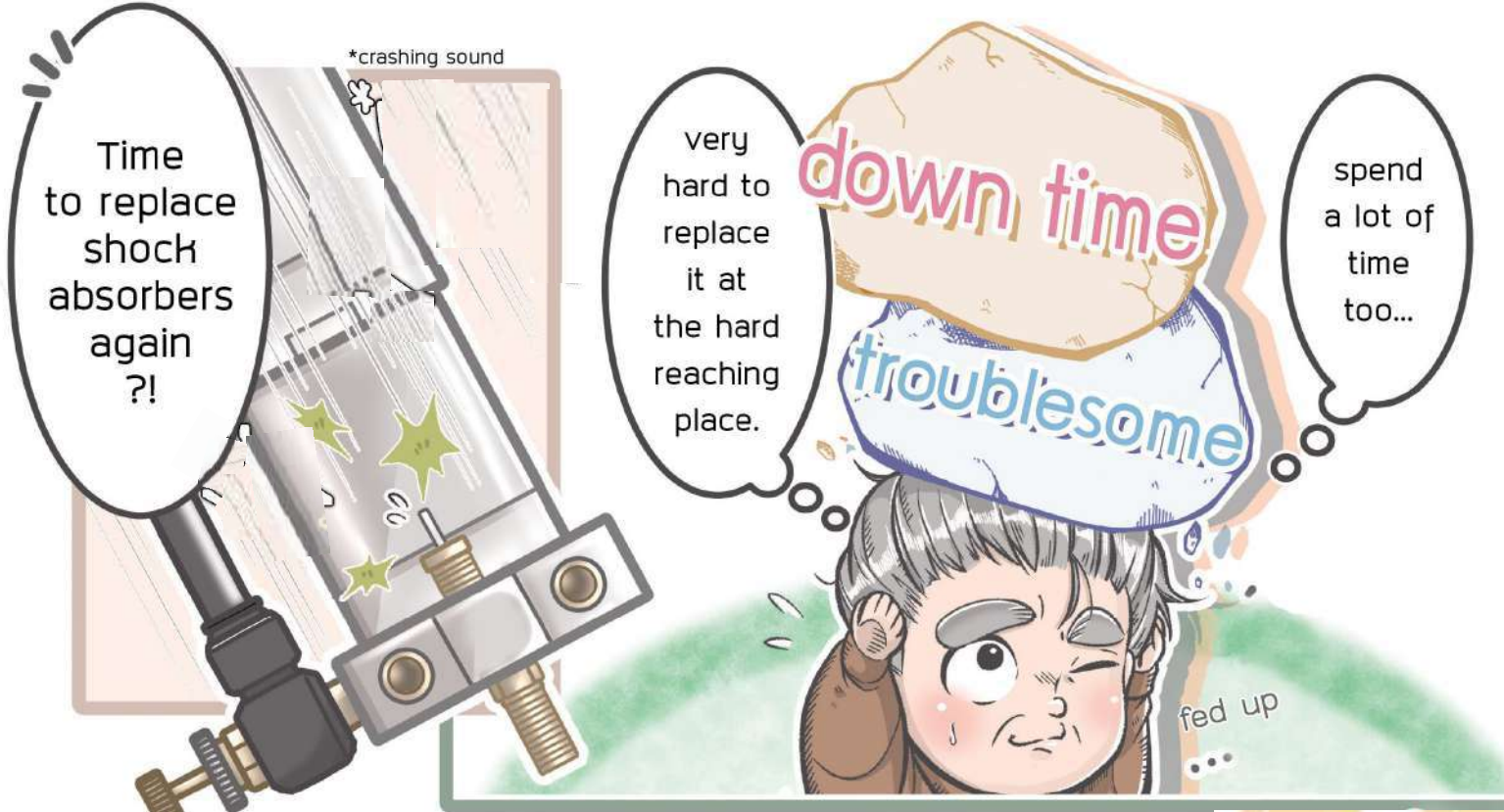


# PISCO

## "2-Stage Speed Controller"

Two-stages exhaust flow rate control enables the same function as the shock absorber on actuator.

Shock absorbers are not required for cylinder anymore?!



**NEW**

Then, I have a proposal, speed controller with built-in shock absorber function.

"2-Stage Speed Controller" from PISCO !!



patent No.5578502





PISCO's  
"2-Stage  
Speed  
controller"

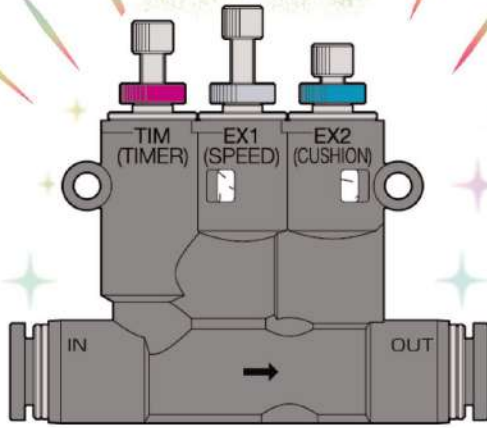
shock  
absorber

speed  
controller

You can  
adjust  
cylinder's in  
2 stages,  
fast speed and  
slow speed at  
the end of  
cylinder stroke  
as you  
intend.




So, no  
need  
to attach  
the shock  
absorber  
anymore  
!

2in1

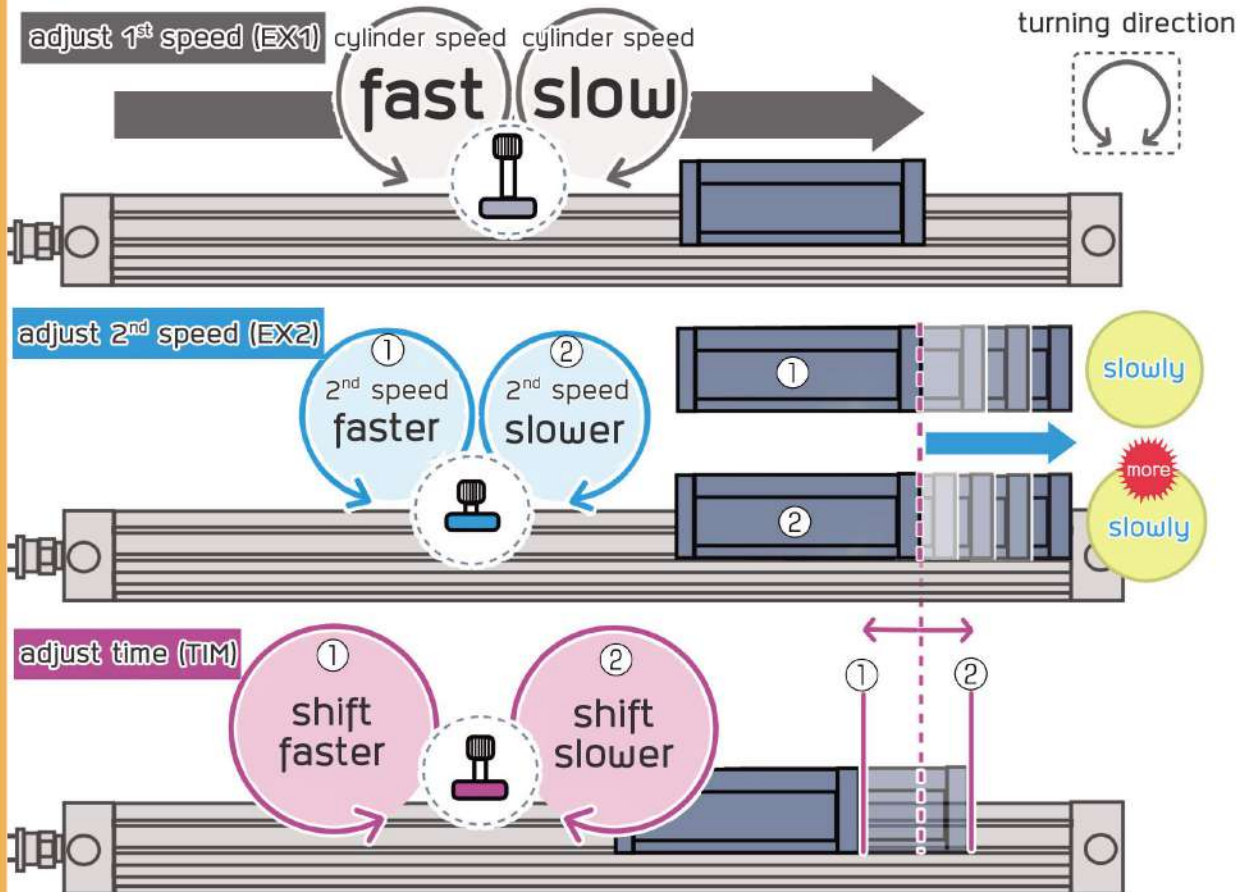


life  
span  
is  
3  
times  
longer  
than  
shock  
absorber  
!!

## 2-Stage Speed Controller

-  Adjust 1<sup>st</sup> speed (EX1)
-  Adjust 2<sup>nd</sup> speed (EX2)
-  Speed (1<sup>st</sup>&2<sup>nd</sup>) shift timing (TIM)

3 needles to adjust the cylinder's speed. Works like as shock absorber.





Just connect BJSUs\* between cylinder and air supply. It's suitable for installing for hard reaching place!

Oh! It prolongs lifespan of cylinders and shock absorbers.

- ▶ Easy installation, for any existing machines
- ▶ It can be used, combined with shock absorber



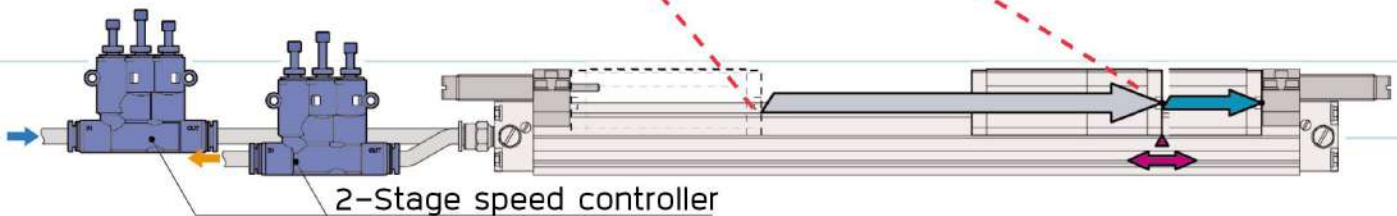
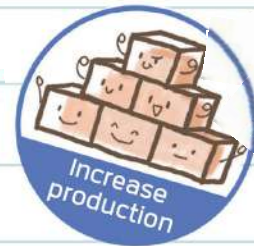
\*BJSU = 2-Stage speed controller

## Usage Examples for maximum efficiency



### Shorten cycle time

With 2-Stage speed controller you can make **1st speed faster**, which will shorten cycle time.



### Reduce noise and shocks

2-Stage speed controller enables same function as shock absorber which can reduce the impact of collision and the noise.

**very effective for large capacity cylinders!**

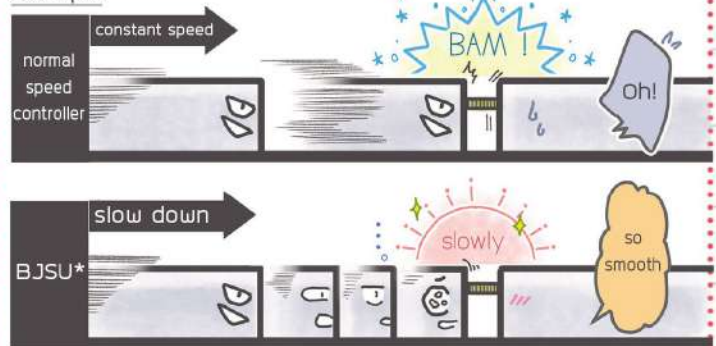


I want to try!



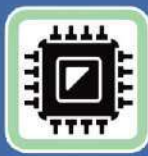
This surely helps to reduce time and cost!

example



\*2-Stage speed controller

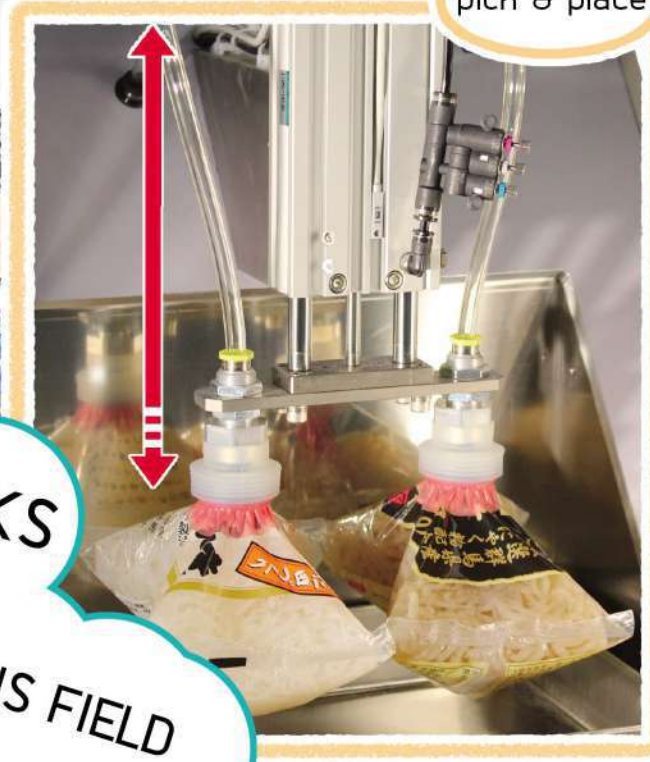




Applicable to various industries



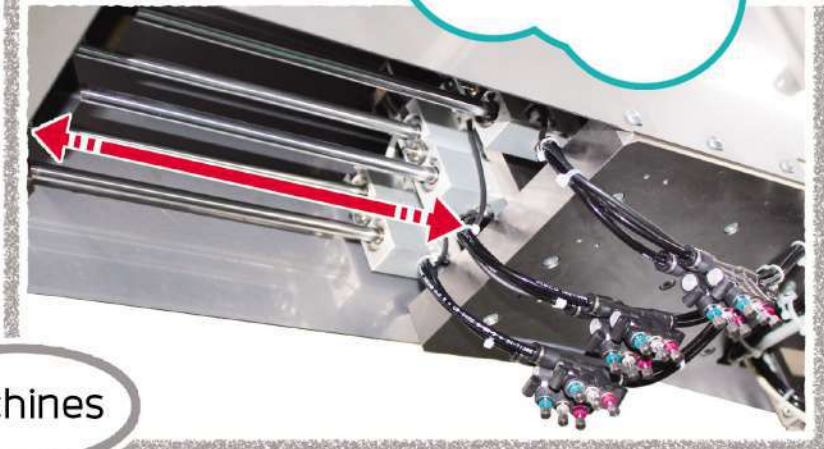
etc... robot / drugs / machine door / food / semiconductor



pick & place

REDUCE SHOCKS AT VARIOUS FIELD

Automatic Door



Machines



※ = normal speed con.  
※ = with 2-stage speed controller



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