

Reduce Cycle Time of Diecasting by replacing with KOSMEK product.

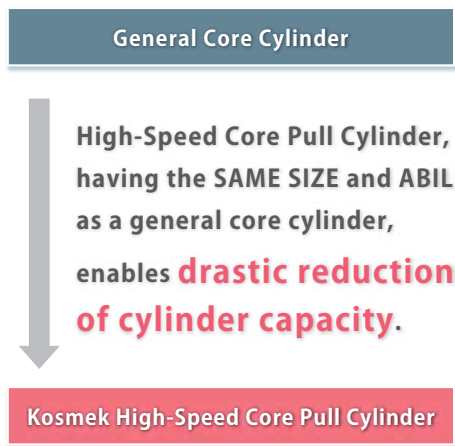
High-Speed Core Pull Cylinder Model PCB



KAIZEN

Diecasting machine productivity has been drastically improved by replacing a general core pull cylinder with High-Speed Core Pull Cylinder. (Example: 350 ton diecasting machine)

Cylinder Capacity Comparison



General Cylinder Inner Diameter : $\phi 80$

Pulling Force : 60.6 kN (at 15MPa)
Stroke : 100 mm
Cylinder Capacity Push Side : 502.7 cm³
Pull Side : 403.7 cm³

Cylinder Capacity

Push Side **51% Down**
Pull Side **64% Down**

Kosmek Model PCB0800-BCF-100

Pulling Force : 60.6 kN (at 15MPa)
Stroke : 100 mm
Cylinder Capacity Push Side : 245.3 cm³
Pull Side : 146.3 cm³

General Cylinder Inner Diameter : $\phi 100$

Pulling Force : 94.0 kN (at 15MPa)
Stroke : 110 mm
Cylinder Capacity Push Side : 863.9 cm³
Pull Side : 689.0 cm³

Cylinder Capacity

Push Side **52% Down**
Pull Side **66% Down**

Kosmek Model PCB1000-BCF-110

Pulling Force : 94.0 kN (at 15MPa)
Stroke : 110 mm
Cylinder Capacity Push Side : 411.5 cm³
Pull Side : 236.6 cm³

Replaceable

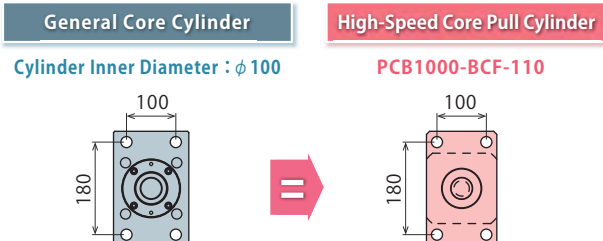
Replaceable

Replaceable

Replaceable

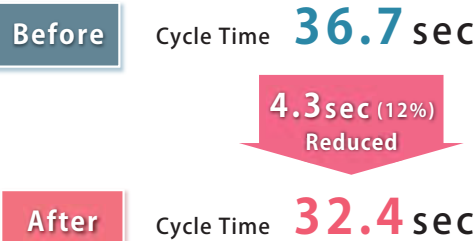
Mounting Dimension Comparison

Exact same mounting dimension
No Need additional machining.



Cycle Time Comparison (Actual time measured by one of our customers.)

Smaller cylinder capacity enables higher speed operation
and **cycle time reduction.**



Productivity has been improved by 12% by reducing cycle time.



※ An example with 350 ton diecasting machine. Using a larger mold could obtain more effective results.

Find further information on our complete catalog.
You can order the catalog from our website (<http://www.kosmek.co.jp/english/>).

● IF THERE IS ANY UNCLEAR POINT IN THIS LEAFLET, PLEASE CONTACT US.
● SPECIFICATIONS IN THIS LEAFLET ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Reduce Cycle Time of Diecasting by replacing with KOSMEK product.

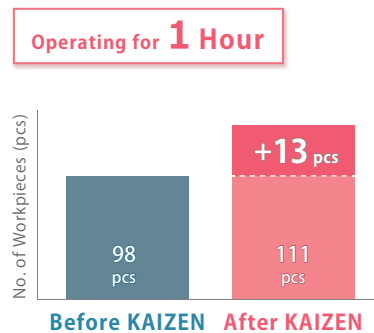


High-Speed Core Pull Cylinder Model PCB

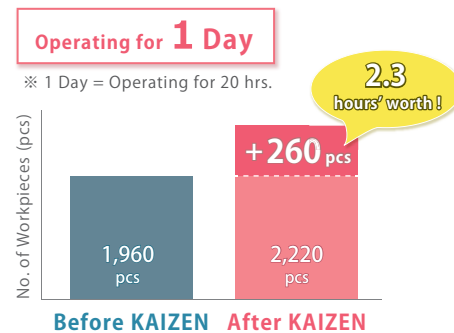
Only 4.3 sec reduction per shot,
 yet it will make a huge difference in the long term.



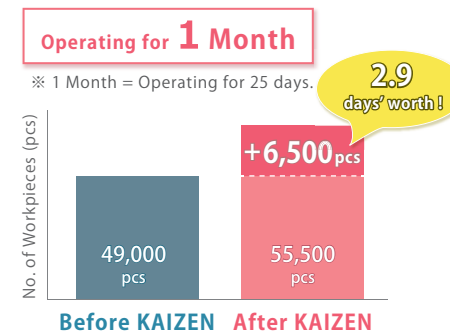
Case Study ※ Cycle Time per Shot before Kaizen: 36.7 sec, after Kaizen: 32.4 sec.



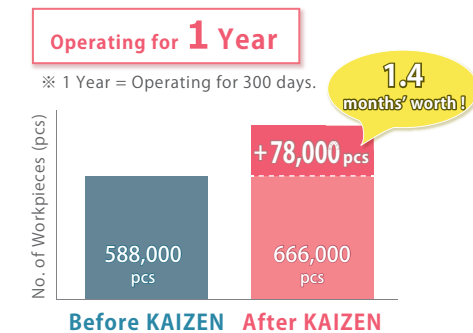
13 more workpieces
 by one-hour operation !



260 more workpieces
 by one-day operation !

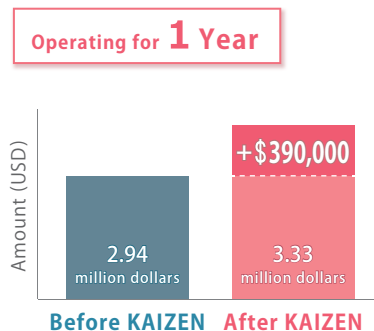


6,500 more workpieces
 by one-month operation !



78,000 more workpieces
 by one-year operation !

Assuming one workpiece is 5 dollars...



4.3 sec per shot allows for
 78,000 more workpieces and
 390,000 US dollars more sales
 production possible in one year.

Comparing Production Time...

