

# BD-V6 EX series Hydraulic Die-casting Machine (Multi Injection System)

Toyo' technical expertise, skills, and knowhow for over half-a-century have culminated in the BD-V6 EX series.

BD-V6 EX series Features

**NEW**

Toyo' technical expertise, skills, and knowhow for over half-a-century have culminated in the BD-V6 EX series.



## Multi Injection System

Accurate injection at will,  
from super-low speed to super-high speed.



## New Control SYSTEM600 Control Unit

The latest SYSTEM600 control system  
demonstrates full performance of the machine.



## High cycle compound movement

compound movement of peripheral devices  
is a standard feature

## High speed tie-bar pull-out device (option)

A split-nut is employed to the tie-bar pull-out  
device on the stationary die plate side, so that die  
changing time can be greatly reduced compared  
with conventional nut rotation system.

## Die clamping device with increased rigidity

To increase the rigidity of the die clamping device,  
guide bars are provide between the movable die  
plate and the link housing, so that die parallelism  
changes due to heat expansion can be dealt with.

## Center press clamping structure

The shape of the die plate is optimized by using CAE  
analysis, so that deflection of the die plate can be  
minimized. The die clamping force is evenly distributed  
over the die surface, resulting in decreased, resulting in  
de-creased defect rate of products.

## Application for tablet PC (option)



# Hydraulic Die-casting Machine (Multi Injection System) BD-650V6 EX

Item		BD-650V6 EX
Injection system	-	Multi Injection System
Injection force	kN	423 - 525
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-225(※)
Clamping force	kN	6500
Tie bar distance ( H X W )	mm	850 X 850
Die stroke	mm	660
Die thickness ( Max. - Min. )	mm	900 - 350
Ejection force	kN	294.5
Machine dimensions ( L X W X H )	mm	8089 X 2620 X 2907

\* There are also the special dimension. These specifications are subject to change without notice.

# Hydraulic Die-casting Machine (Multi Injection System) BD-500V6 EX

Item		BD-500V6 EX
Injection system	-	Multi Injection System
Injection force	kN	395 - 491
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-175
Clamping force	kN	5000
Tie bar distance ( H X W )	mm	751 X 751
Die stroke	mm	560
Die thickness ( Max. - Min. )	mm	850 - 350
Ejection force	kN	254.4
Machine dimensions ( L X W X H )	mm	7656 X 2546 X 2880

# Hydraulic Die-casting Machine (Multi Injection System) BD-350V6 EX

Item		BD-350V6 EX
Injection system	-	Multi Injection System
Injection force	kN	270 - 335
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-150
Clamping force	kN	3500
Tie bar distance ( H X W )	mm	652 X 652
Die stroke ( Max. - Min. )	mm	420 - 300
Die thickness ( Max. - Min. )	mm	700 - 300
Ejection force	kN	193
Machine dimensions ( L X W X H )	mm	6395 X 2021 X 2786

# Hydraulic Die-casting Machine (Multi Injection System) BD-250V6 EX

Item		BD-250V6 EX
Injection system	-	Multi Injection System
Injection force	kN	227 - 281
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-125
Clamping force	kN	2500
Tie bar distance ( H X W )	mm	584 X 584
Die stroke ( Max. - Min. )	mm	380 - 250
Die thickness ( Max. - Min. )	mm	600 - 250
Ejection force	kN	123
Machine dimensions ( L X W X H )	mm	5770 X 1942 X 2601

# Hydraulic Die-casting Machine (Multi Injection System) BD-200V6 EX

Item		BD-200V6 EX
Injection system	-	Multi Injection System
Injection force	kN	177 - 219
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-125
Clamping force	kN	2000
Tie bar distance ( H X W )	mm	508 X 530
Die stroke ( Max. - Min. )	mm	350 - 200
Die thickness ( Max. - Min. )	mm	600 - 250
Ejection force	kN	104.9
Machine dimensions ( L X W X H )	mm	5574 X 1852 X 2545

# Hydraulic Die-casting Machine (Multi Injection System) BD-125V6 EX

Item		BD-125V6 EX
Injection system	-	Multi Injection System
Injection force	kN	143 - 177
Low injection speed	m/s	0.03 - 1.0
High injection speed	m/s	1.0 - 9.0
Injection position	mm	-100
Clamping force	kN	1250
Tie bar distance ( H X W )	mm	460 X 460
Die stroke ( Max. - Min. )	mm	350 - 200
Die thickness ( Max. - Min. )	mm	500 - 250
Ejection force	kN	80
Machine dimensions ( L X W X H )	mm	4591 X 1549 X 2197