

3DP Sand Printing Techniques

KSS1800B

> High precision

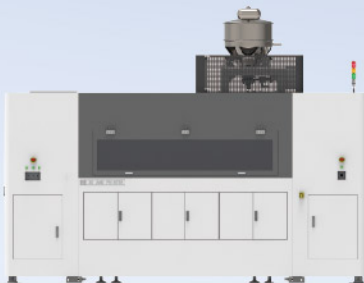
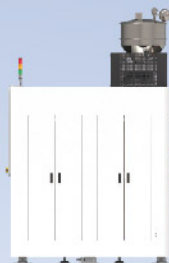
Printing resolution 400DPI Sand mold accuracy can be improved from CT8 to CT7

> Flexibility

The printing work box can be removed from the machine freely, which is convenient for assembly line logistics

> Small Volume

The equipment covers an area of 9.7m², which can save a lot of equipment installation area



(Side and back of the printer)

> High Efficiency

Bidirectional sanding, maximum sanding speed 400mm/s; wide-format printing, maximum printing speed 1200mm/s, maximum printing efficiency 270L/h

> Production Line

Achieve fully automatic industrial application of multiple equipment connected online

TECHNICAL DATA

KSS1800B

Dimensions (LxWxH)	4500x2170x3460mm
Job Box Size (LxWxH)	1800x1000x700mm
Sand Laying Method	Bidirectional sand laying
Printing Resolution	400dpi
Printing Layer Thickness	0.3mm - 0.6mm
No. of Printhead Module	8 (1024 nozzles per head)
Max printing speed	1200mm/s
Power Supply Requirements	Three-phase 380VAC $\pm$ 10%, Frequency 50-60Hz
Heating Power	9KW

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Total Weight	5.4T (including one job box)
Max Printing Efficiency	160-270L/h
Consumables	Furan resin or phenolic resin, curing agent, silica sand, ceramic sand
Number of Job Box	Single job box with independent drive
Sand Processing Center	Automatic sand processing + any ratio mixing of old and new sand
Host Peak Power	11KW
Noise	<60 decibels
Environmental Requirements	Operating Temperature 22-38°C



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