

High voltage testing cage

For testing of power electronics, safe workstations are required so that high voltage tests can be carried out safely.

Together with our clients, we have developed a testing cabinet which allows the user to perform high voltage tests under safe conditions. We can provide safety and control elements which notifies you when the cage should be closed. If the cage is not closed and locked, no high-voltage tests can be carried out. Thanks to the integrated 19" compartments, you can easily integrate measuring equipment needed for your tests in the test cage.

Please contact us for your specific application. Our employees will develop your individual testing cabinet together with you.

Visit www.beteso.com for more information.



High voltage testing cage

	HVCAGE1	HVCAGE2
Size (WxDxH) mm	1095x980x2040	1600x980x2040
ESD work surface	Volume conductive	
LED lighting	•	
Rollers	6 rollers with locking brakes	
19" units outside	1x 12U	2x 12U
19" units inside	2x 12U	3x 12U
Drawer unit	5 ESD drawers	
Safety switch	2x Schmersal type AZM	
Control lights	red = locked yellow = open U <60V green = zero potential	
protection class	IP40	
Documentation	CE declaration of conformity, risk assessment, ESD protocol	

Protection cabin accessories

In order to operate the safety cabin safely, both safety and switching components as well as safety switches are required to lock the door as long as high voltage is applied to the test device. As described below, we offer two different types to choose from. A high voltage source is not included.



Safety and switching components front and back



HV-satellites for the safe monitoring of high voltage

	HVSAFE05	HVSAFE25
Safety and switching element		
Input voltage	230V / 16A	400V / 32A
High-voltage input	Maximum 2000V / 5A	Maximum 2000V / 25A
On off	Key switch	key switch
size	2x 3U - 19" equipment installation	2x 6U - 19" equipment installation
main switch	Lockable	Lockable
Charge-discharge buttons	•	•
Low-voltage emergency stop	With zz. exit	With zz. exit
Residual current circuit breaker	Type B	Type B
Relay actuator	•	•
Connecting safety switch	•	•
High Voltage Satellite		
High-voltage display	7-segment digital	7-segment digital
Charge-discharge relay	•	•
Isolation amplifiers	•	•
Safety logic safety gate	•	•
HV-limiting dongles	60/100/500/800/1000/1500/2000 V / (Without dongle, no function, 0V)	



A code dongle is used to limit the output voltage. This way the test device can be protected from overvoltage. All fronts can be ordered in any other language.