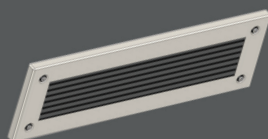
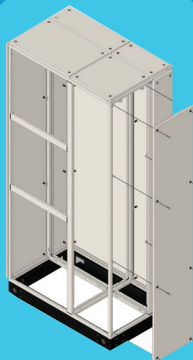
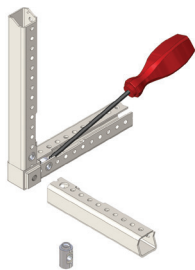


TECHNO MODULAR SWITCHBOARDS

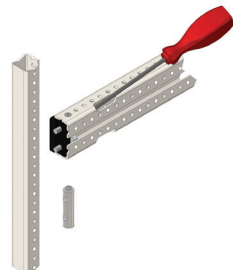


Framework

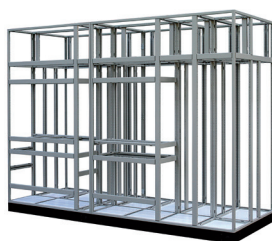
- ✓ Structural members - plinths, corner and cross bars from 200mm to 2400mm all bolted together with captive screws to ensure rigidity and good earthing
- ✓ Easily assembled with 5 & 6mm ball head drivers
- ✓ Tapped holes every 25mm & untapped holes every 12.5mm



CORNER & CORNER BARS



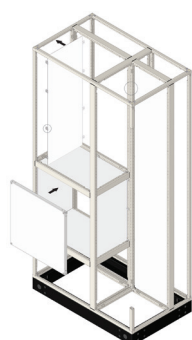
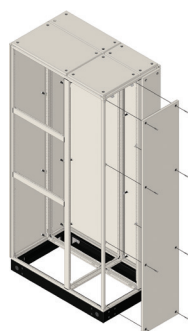
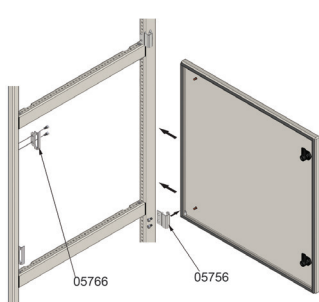
CROSS BAR



STRUCTURE

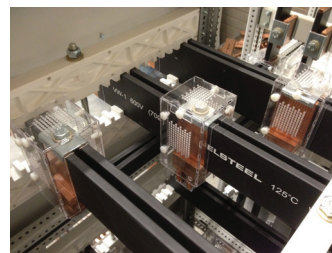
Internal Equipment & Cladding

- ✓ Separation plates – metal and insulated, mounting plates, hinged & fixed escutcheons all in white
- ✓ Doors and dished covers with high quality gaskets to offer good sealing
- ✓ Choice of grey and orange all available ex-stock

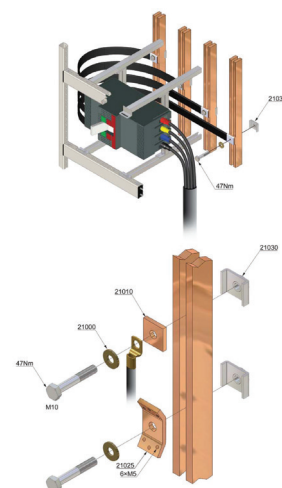
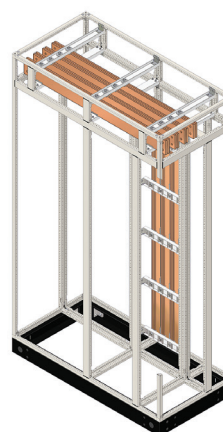


Busbar Systems & Accessories

- ✓ 10mm bars with 2 bars per phase arrangement
- ✓ Rated up to 7100A & 100kA/1s
- ✓ A variety of bus holder options to provide flexibility in design
- ✓ A choice of copper connectors to connect bars or devices
- ✓ Operational voltages of 415/690/1000V AC



Insulated BUS



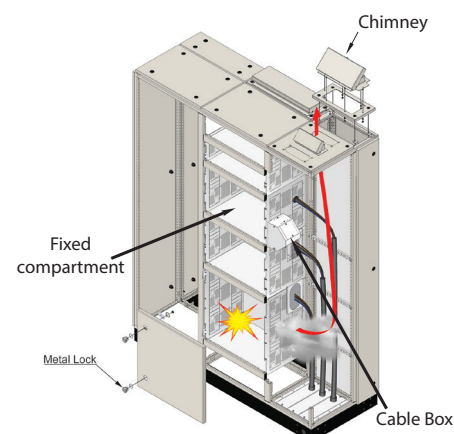
Tap-off Connectors

Compartments

- ✓ Choice of fixed, demountable or fully withdrawable cells
- ✓ Design up to Form 4b
- ✓ Tested for internal arcing fault containment

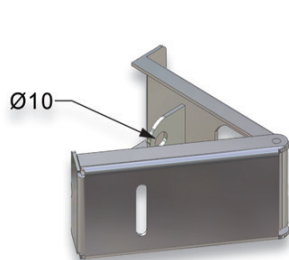


Demountable



A wide variety of accessories are available for the TECHNO system. These include:

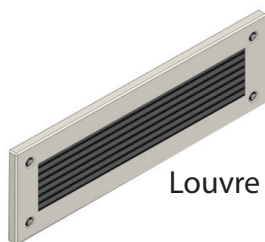
- ✓ A choice of locks
- ✓ Internal doors & plates
- ✓ Tools
- ✓ Equipment mounting accessories
- ✓ Gland plates
- ✓ Louvers
- ✓ Cable supports
- ✓ Seals



Padlock Cover



Escutcheon Doors



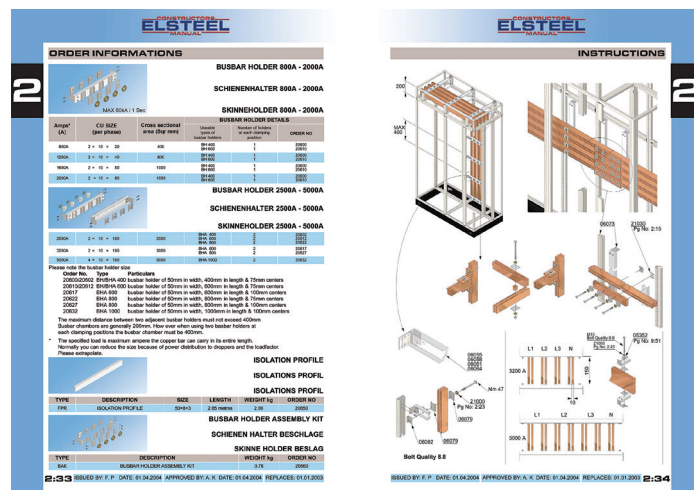
Louvre covers

Instant Panel

- ✓ Ideally suited to build mechanical services boards, control panels, lighting DB's
- ✓ Modular features offers options such as individual compartments, doors, cable sections and internal separation
- ✓ A variety of bus holder options to provide flexibility in design
- ✓ A choice of copper connectors to connect bars or devices



- ✓ A complete guide in full colour to assist in the correct design and assembly of the Techno system



CONSTRUCTORS ELSTEEL MANUAL

Accreditation & Training

- ✓ Comprehensive product training to ensure that Techno is built in accordance with design verified requirements
- ✓ Design, estimation and assembly assistance

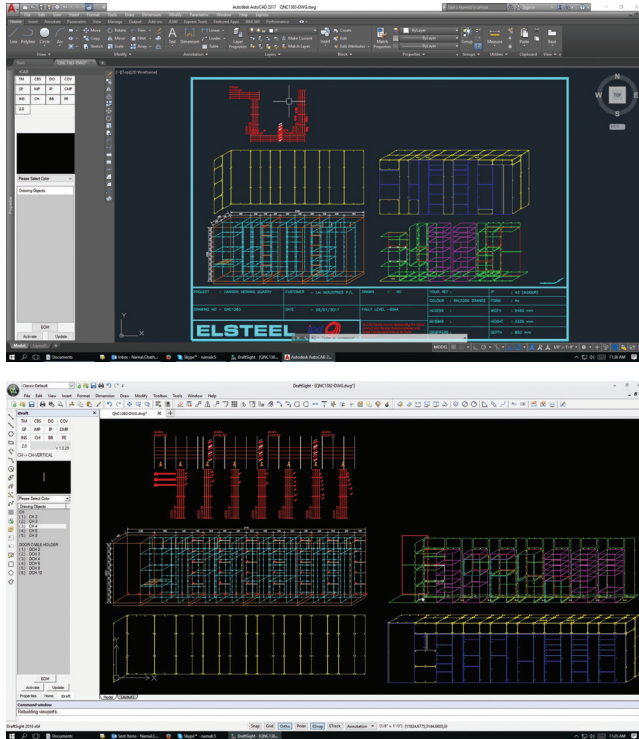


iCad & iDraft plug-ins

CAD based estimating & design softwares with training provided complimentary to Techno users

Features

Generate construction drawings, bills of material, pricing and assembly time estimates



iCon

A user friendly software tool that lets you to estimate the space required for a switchboard.

Panel Board Designer

General Details

Project Name	test	Form of Segregation	4
Drawing Number	001	Fault Rating (KA/s)	4
Current Rating (A)	1	User name	test
IP Rating	5	Date	Feb 28, 2017

Main Incoming Section

ACB TIERS	UP TO 1250A	Quantity	1
Connection to Bus Bar	UP TO 1250A	Quantity	1

Cubicle Size for Outgoing Breakers

Outgoing Up To 250A Breaker Quantity	1
Outgoing Up To 400A Breaker Quantity	1
Outgoing Up To 630A Breaker Quantity	1
Outgoing Up To 800A Breaker Quantity	1
Outgoing from 1250A to 2000A Breaker Quantity	1
Outgoing Up To 800A ACB Quantity	1
Outgoing from 1250A to 2000A ACB Quantity	0
Outgoing from 2500A to 3200A ACB Quantity	0

BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200	BBC 630x200
MC 630x400	630x400	MC 630x400			ESA 630x300		Spare 630x300	
1250A ACB 630x400	1250A ACB 630x400	1250A ACB 630x400	1250A ACB 630x400	Cable Zone 630x300		Cable Zone 630x300		Cable Zone 630x300
630x400	630x400	630x400	630x400		800A 630x300		750A 630x300	
							400A 630x300	

For internal views and busbar/device arrangements, please contact IPD

GENERAL DATA

Applications	Low voltage power switchgear and control gear assembly power distribution, Motor control centres, PLC & DCS panel boards
Installation	Indoor
Mounting possibilities	Floor standing / Wall mounting
Standard Colours	RAL 7032 / RAL 2000 *
Coating	Epoxy / Polyester powder, Thickness > 50 µm smooth

* Non standard colours on request

MECHANICAL DATA

Field / Tier Arrangement	Front connected / Back to back
Cable entry	Top / Centre / Bottom
Compartment types	Fixed, Demountable & Fully withdrawable
Access	Front / Rear
IP rating	IP43, IP44, IP54, IP55
Form of segregation	1, 2a, 2b, 3a, 3b, 4a, 4b / Form 4 type 1-7
Maximum dimensions of a transport section (Basic module 200x200x200)	Width - 2200 Height - 2400(can be extended) Depth - 2200

ELECTRICAL DATA

Rated operational voltage (Ue)	415V / 690V / 1000V
Rated insulation voltage (Ui)	690V / 1000V
Rated frequency (f)	50Hz
Rated impulse voltage (Uimp)	Up to 12 kV
Rated current (In) for TM panels(Uimp)	Up to 7100A (Refer CM for more information)
Rated short time current (Icw)	Up to 100kA/1s & 80kA/3s(Refer CM for more information)
Pollution degree	3
Material group	IIIa
Min. clearance and creep age	(Refer CM for more information)
Earthling systems	TN-C, TN-S, TN-C-S, TT, IT

TESTS / APPROVALS

Design verification	Design verified according to IEC/EN 61439-2, AS/NZS 61439-1:2016
Internal Arcing Fault test	According to IEC61641:2014-09 & AS/NZS 3439.1 : 2002 ANNEXD
Vibration test	According to IEC 68-2-6 & IEC 68-2-36
Seismic test	According to IEC 68-3-3
EMC verified	According to IEC 61439-2
Product labels	UL
Type approvals	LR, ABS, RS,BV, DNV, GL, (see page 6:05 / 6:06 for more information)



National Customer Support Centre
Tel: 1300 556 601 Fax: 1300 550 187
Email: customerservice@ipdgroup.com.au
www.ipdgroup.com.au