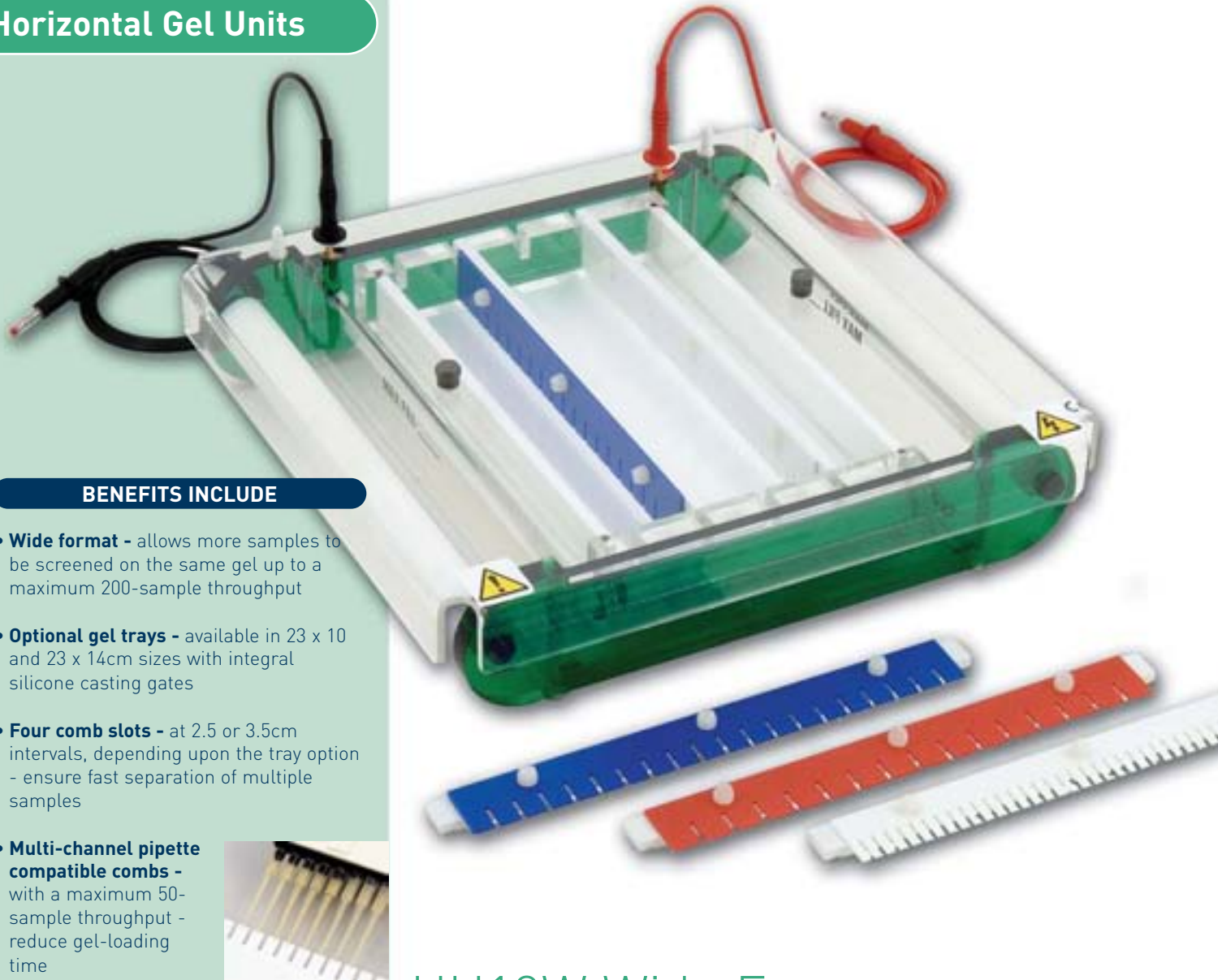
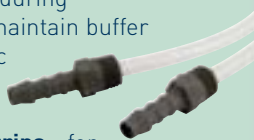


## Horizontal Gel Units



### BENEFITS INCLUDE

- **Wide format** - allows more samples to be screened on the same gel up to a maximum 200-sample throughput
- **Optional gel trays** - available in 23 x 10 and 23 x 14cm sizes with integral silicone casting gates
- **Four comb slots** - at 2.5 or 3.5cm intervals, depending upon the tray option - ensure fast separation of multiple samples
- **Multi-channel pipette compatible combs** - with a maximum 50-sample throughput - reduce gel-loading time
- **Combs** - colour-coded and height-adjustable - offer complete control over loading volume and well depth
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and prevent ionic gradient formation
- **Coloured loading strips** - for easy well detection when loading
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **UV-transparent acrylic casting tray** - allows the user to handle the gel on the transilluminator with minimum risk of exposure to hazardous ethidium bromide
- **Side handles** - for safe and easy transportation around the laboratory



## HU13W Wide Format Midi Horizontal

The HU13W wide format midi horizontal gel electrophoresis unit is ideal for high-throughput analytical and preparative studies of nucleic acids.

### TRAY OPTIONS (trays are interchangeable at the time of order)

Part No.	Option 1 (standard issue) <b>HU13W-UT14</b>	Option 2 <b>HU13W-UT10</b>
Gel Size (W x L)	23 x 14cm	23 x 10cm
Combs Slots	4	4
Migration Distance Between Comb Slots	3.5cm	2.5cm
Maximum Sample Capacity	200	200

\*both trays include casting gates with integral silicone seals

## ORDERING INFORMATION

### Complete System

Wide format midi horizontal gel unit with removable 23 x 14cm casting tray, including casting gates with integral silicone seals, 2 x 1mm thick, 25-sample combs, coloured loading strips and buffer recirculation ports

### Part No.

HU13W

### Replacement Parts & Accessories

1 x gel casting tray, 23 x 14cm (standard issue), including casting gates with integral silicone seals

\*can be interchanged at the time of order (see below)

1 x gel casting tray, 23 x 10cm, including casting gates with integral silicone seals

2 x buffer recirculation ports

2 x casting gates with integral silicone seals

1 x silicone gasket, 1 metre

2 x Scie-Plas Super-Seals

12 x coloured loading strips

1 x gel scoop

2 x 0.2mm thick, platinum electrode wire

2 x 1 metre power leads with shrouded

4mm power output connectors

HU13W-UT14

HU13W-UT10

HU-BRP

HU13W-CG

HU-SG

HU13W-SS

HU13W-CS

HU13W-GS

PT-0.2

CABLE-4

### HU13W Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
*HU13W-C1-12MC	1	12	16.7	2.2	72
HU13W-C1-16	1	16	12.1	2	52
HU13W-C1-20	1	20	9.3	2	40
*HU13W-C1-25MC	1	25	7	2	30
HU13W-C1-28	1	28	6	2.1	26
HU13W-C1-40	1	40	3.9	1.8	17
*HU13W-C1-50MC	1	50	3.5	1	15
*HU13W-C1.5-12MC	1.5	12	16.7	2.2	108
HU13W-C1.5-16	1.5	16	12.1	2	78
HU13W-C1.5-20	1.5	20	9.3	2	60
*HU13W-C1.5-25MC	1.5	25	7	2	45
HU13W-C1.5-28	1.5	28	6	2.1	39
HU13W-C1.5-40	1.5	40	3.9	1.8	25
*HU13W-C1.5-50MC	1.5	50	3.5	1	23
*HU13W-C2-12MC	2	12	16.7	2.2	85
HU13W-C2-16	2	16	12.1	2	70
HU13W-C2-20	2	20	9.3	2	50
*HU13W-C2-25MC	2	25	7	2	35
HU13W-C2-28	2	28	6	2.1	25
HU13W-C2-40	2	40	3.9	1.8	25
*HU13W-C2-50MC	2	50	3.5	1	43/21.5

\*Multi-channel pipette compatible

+Reversible and multi-channel pipette compatible

### HU13W CASTING OPTIONS

**HU13W-CG** - casting gates with integral silicone seals effectively seal the tray without the need for tape, provided the silicone gasket faces outwards as shown

**HU13W-SS** - 23cm long Scie-Plas Super-Seals offer total versatility in casting, allowing the gel length to be tailored to each user's personal requirements



## TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	30 x 30 x 6.5cm
Gel Size (W x L)	see Tray Options
Buffer Volume	800ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	200
Combs	2
Comb Thickness	1, 1.5 or 2mm
Comb Throughput	12 to 50 samples
Recommended Running Voltage	125 to 150V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Scie-Plas MPSU-200/100 Consort EV243



**CASTING TIP** Regardless of the casting method, ensure leak-free casting by lining the casting unit with agarose and allowing it to set before pouring the remainder of the hand-hot agarose mixture i.e. at approx. 50°C

