Equipment dimensions, weight, and appearance

Main unit dimensions ———

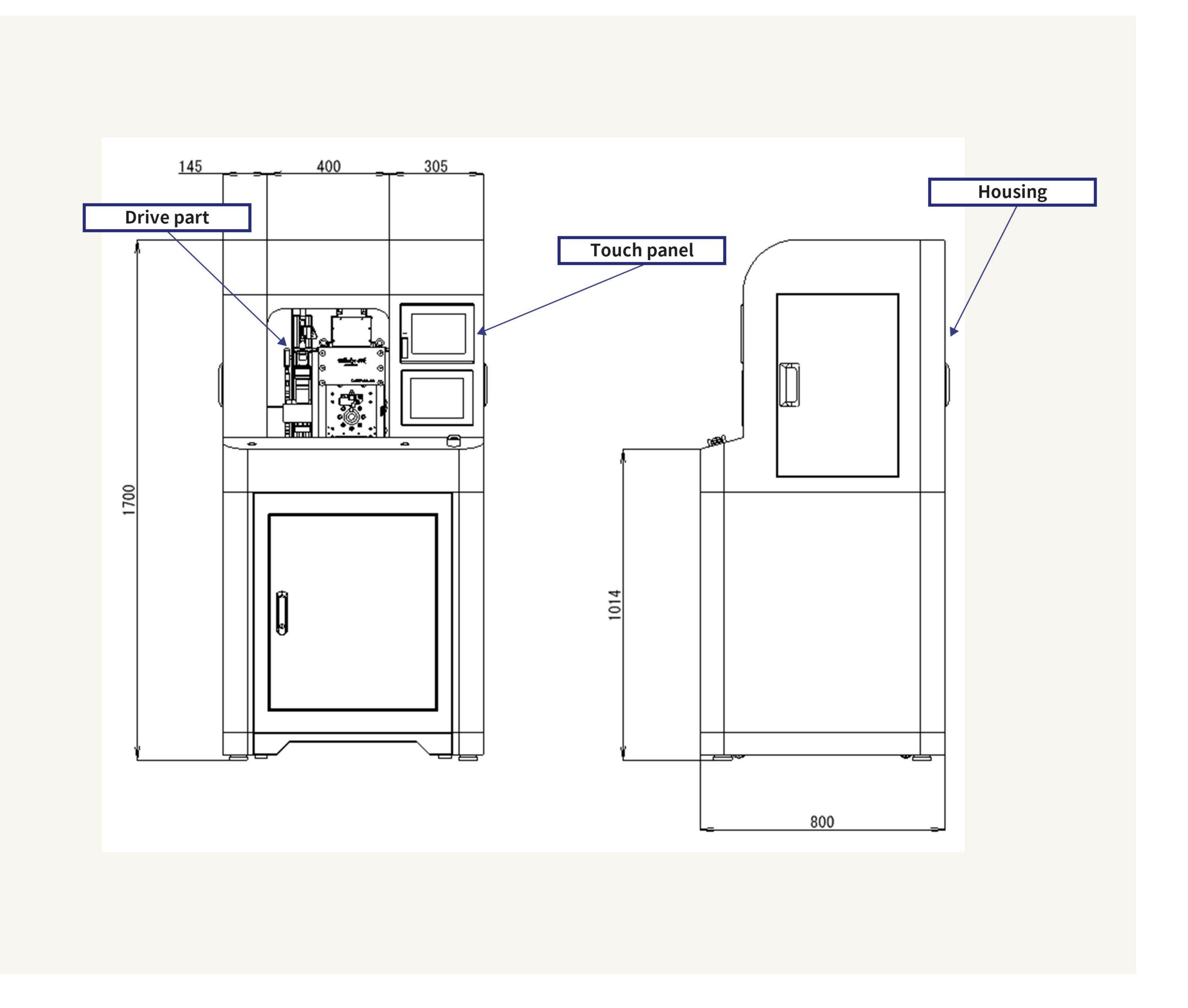
Drive part	Approx. W280 x D500 x H751
Control panel	Approx. W650 x D500 x H400
Oscillator	Approx. W370 x D450 x H200
Touch panel	Screen size - 8.4 inches

Main unit weight

Drive part	Approx. 45 kg
Control panel	Approx. 70 kg
Oscillator	Approx. 30 kg
Total housing weight	Approx. 700 kg

Bonding specifications

Frequency	40 kHz (39.5 kHz \pm 1 kHz)	
Bonding area	Approx. 78.5 mm2 (depending on the workpiece specified by your company)	
Drive system	AC servo motor (1 kW)	
Control method	Position control, speed control, and push control via AC servo motor (set range: 1 to 400 N)	
Target workpieces	Workpieces designated by your company (next-generation battery parts (all solid state, LIB, etc.), power semiconductor parts, etc.)	
Maximum stroke	Distance from horn standby position to maximum bond depth: 40 mm (50 mm for maintenance)	



Power supply, output

Power specifications for overall equipment -Supply voltage Three-phase 200 V 50 Hz/60 Hz Consumption current 28A Power capacity 6.3kVA Power specifications for drive system Single-phase 200 V 50 Hz/60 Hz Supply voltage Consumption current 18A (5A) 4.7kVA (1kVA) Power capacity Oscillator power specifications Supply voltage Single-phase 200V 50Hz/60Hz Consumption current 10A 1.6kVA Power capacity Maximum output

Due to product improvements, specifications and appearance are subject to change without notice. Since products are made to order, the specifications may differ from those listed, depending on the required specifications and options. Thank you for your understanding. Due to product improvements, specifications and appearance are subject to change without notice.

Configuration and recording

Bonding time	Setting of the bonding time: 0.001 to 9.999 (s)	
Pre-burst	Configuration and setting of time to be used as a guide when oscillating while moving down	
Pre-shot	Setting of time and static pressure to be used as a guide during preliminary oscillation before bonding	
After burst	Configuration and setting of time to be used as a guide for oscillation after bonding	
Static pressure	Setting, displaying, and recording of the welding force applied to the bond: 1 to 400 (N)	
Power	Displaying and recording of the power when bonding, and setting of the peak power: 1 to 1000 (W)	
Energy	Calculation, recording, and setting of energy when bonding: 0.01 to 99.99 (J)	
Bond depth control	 Displaying, recording, and setting of bond sample deformation (Bond dist.): 1 to 5000 (μm) Oscillation stop due to deformation of bond material (Bond dist.): 0.001 to 9.999 (s) 	
Variable settings	Variable function (5 levels) for configuration and setting of static pressure to be used as a guide for oscillation during bonding	
Process settings	Detailed process entry functions for driving force and oscillation (10 processes)	
Threshold settings	Setting of the upper and lower limits for the OK/NG judgment (9 items)	
Recipe settings	Registration function for setting bonding conditions, etc. (20 types)	
Graph	Process charts (10 processes), oscillation graph (7 types), and trend graph (6 types)	
Measurement data output	 SD card output in CSV format (Excel compatible) (15 items) Data transfer via Ethernet or USB2.0 (dedicated software required) Compatible with "GX LogViewer," a Mitsubishi Electric logging data display and analysis tool (free of charge) 	
Actual load detection	Piezoelectric force sensor	
Conveyance equipment interface	Input/output unit and Ethernet unit are provided	

Specifications

Optional

Safety mechanism Area sensor, signal tower, electronic door lock, and magnet catch (with limits)	
Salety medianism. Area sensor, signal tower, electronic door lock, and magnet catch (with units)	
Position feedback Displacement meter	
Equipment stand Please refer to the device appearance (touch panel box can also be selected)	



Ellinker 40le X,Y Equipped With Automatic Stage Specifications

X, Y stage details

	X axis (lower axis)	Y axis (upper axis)
Stroke	320mm	120mm
Weight capacity	10kg	
Maximum speed	200mm/sec	100mm/sec
Resolution	0.001mm	
Straightness	±0.01mm	
Perpendicularity	±0.01mm	
Base	Aluminum (black alumite treated)	
Table size	W150 x D130 (workpiece and fixed jig size is to be used with table size or less)	
Other specifications	With linear clamper	