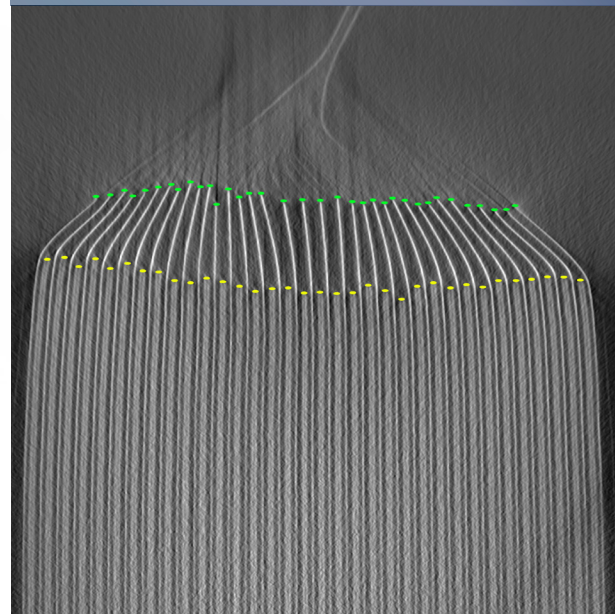




## High-Performance Inline CT & X-ray Inspection



### **iXCell iCT Inline**

Next-Level Inspection for Evolving Manufacturing Needs



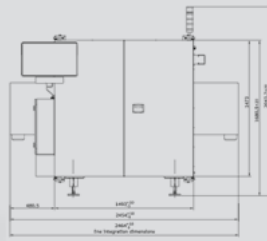
# Technical Specification

## iXCell iCT Inline

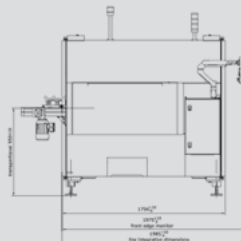
The Exacom iXCELL iCT system is a unique inspection platform developed for high-throughput inline CT inspection applications. Fully automated and seamlessly integrated into the manufacturing line, the system performs customizable inspection routines with impeccable accuracy.

With significantly higher throughput and greater flexibility than conventional solutions, the iXCELL iCT system enables rapid production ramp-up, efficient data acquisition, and advanced analysis. This supports faster process optimization, improved production transparency, and enhanced overall manufacturing performance.

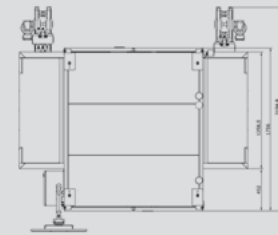
Front view



Side view



Top view



Specifications in mm

		iXCell iCT Inline		
<b>System Data</b>	Type	iXCell		
	Name	iCT Inline		
	Application Types	General: Weld Inspection, void Inspection, custom applications Lithium Battery inspection: Stacked Prismatic Cells / Stacked Pouch Cells		
	Inspection Type	3D CT + 2D X-Ray inspection		
	System Throughput	6 – 60 PPM		
<b>X-Ray System</b>	Tube Voltage	130 kV / 180 kV		
	Tube Current	up to 300 µA / 500 µA		
	Tube Power	39 W / 90 W		
	Detector	3008 x 2496 Pixel up to 40 fps Read Out	High resolution, high framerate detector	
	Geometric Resolution	< 15 µm/Pixel		
<b>Metrology Certifications</b>	MSA 1	C <sub>gk</sub> > 1.33	for 1000µm criteria tolerances	
	MSA 3	GRR < 10 %	GRR < 10 % on average, < 15% on max value, for 1000µm tolerance	
	VDA 5	Certified	VDA5 acceptance criteria for 1000µm tolerance	
	Calibration	Yes	DAKKS certified calibration artefact	
	Acceptance	Yes	Long term stable DAKKS certified acceptance artefact	
<b>Other system data</b>	Dimensions	2454 mm x 2050 mm x 1765 mm without transport loop (W x H x D)		
	Weight	Ca. 3200 kg		
	Power requirements	400 V / 16 A		
	Compressed Air	6 – 8 bar, 60 Nm <sup>3</sup> /h		
	Network	10G Ethernet to MES (vertical), 10G Ethernet (horizontal)		
	Electrical Cabinet	External electrical cabinet (up to 10 m distance)		
	X-Ray Cabinet	Radiation leakage rate < 1 µSv/h		
	Certification	CE compliance standard, UL and other on request		

Specifications and other system information are subject to change without notice and may differ from the information displayed at the time of ordering.