



Company prospectus

O-TEC
Ohmura "The Technical Experts"

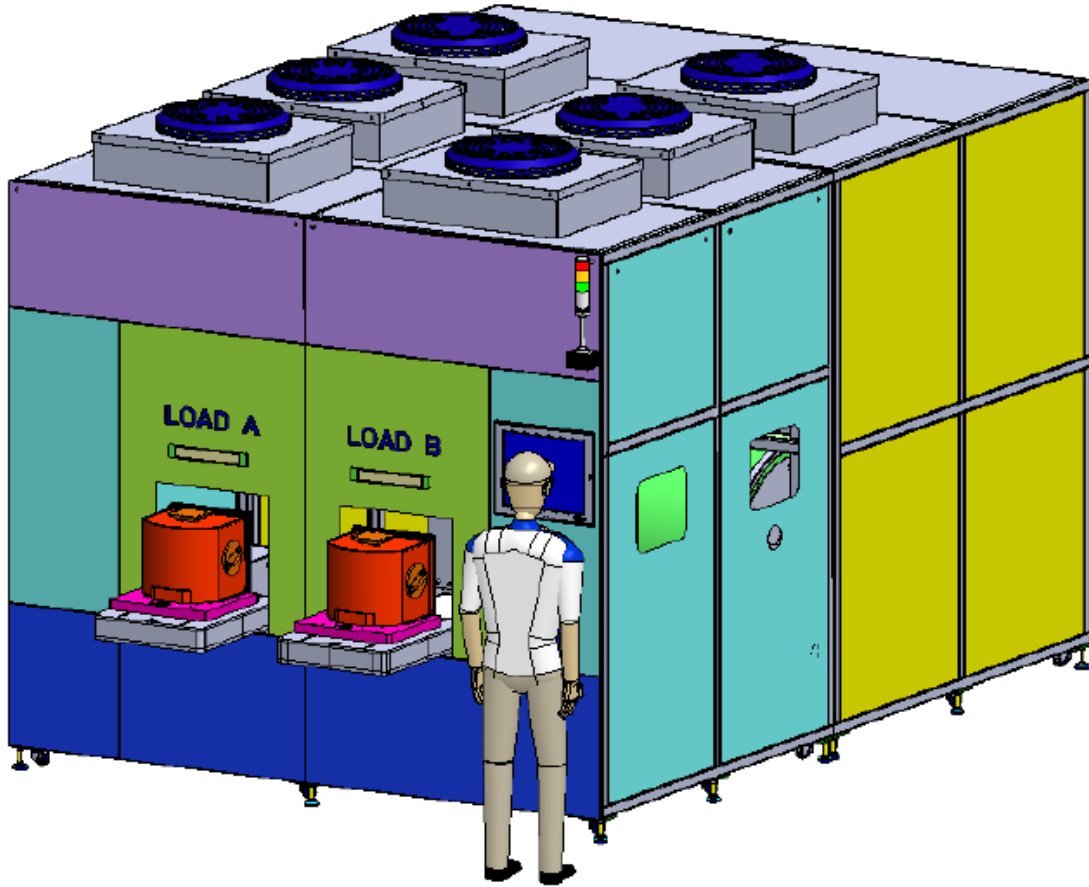
<http://www.otec-jp.com>

O-TEC 大村技研株式会社
Ohmura "The Technical Experts"

TKS 販売代理店
ティー・ケイ・エス株式会社

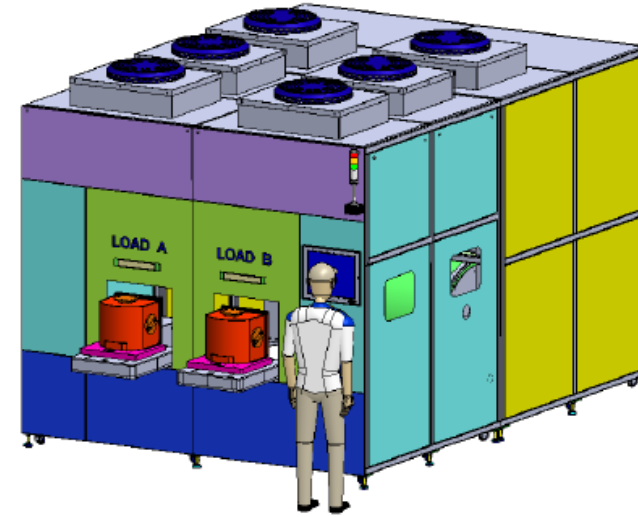
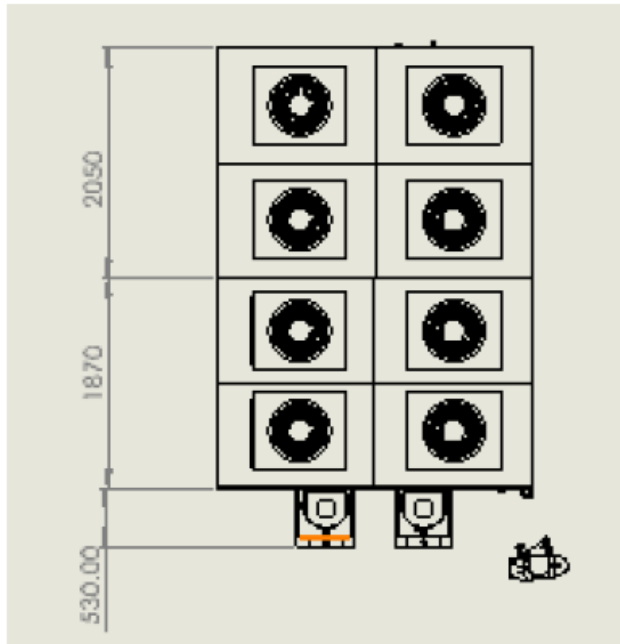
SDV-820 FOUP CLEANING SYSTEM

SDV-820 CONFIGURATION

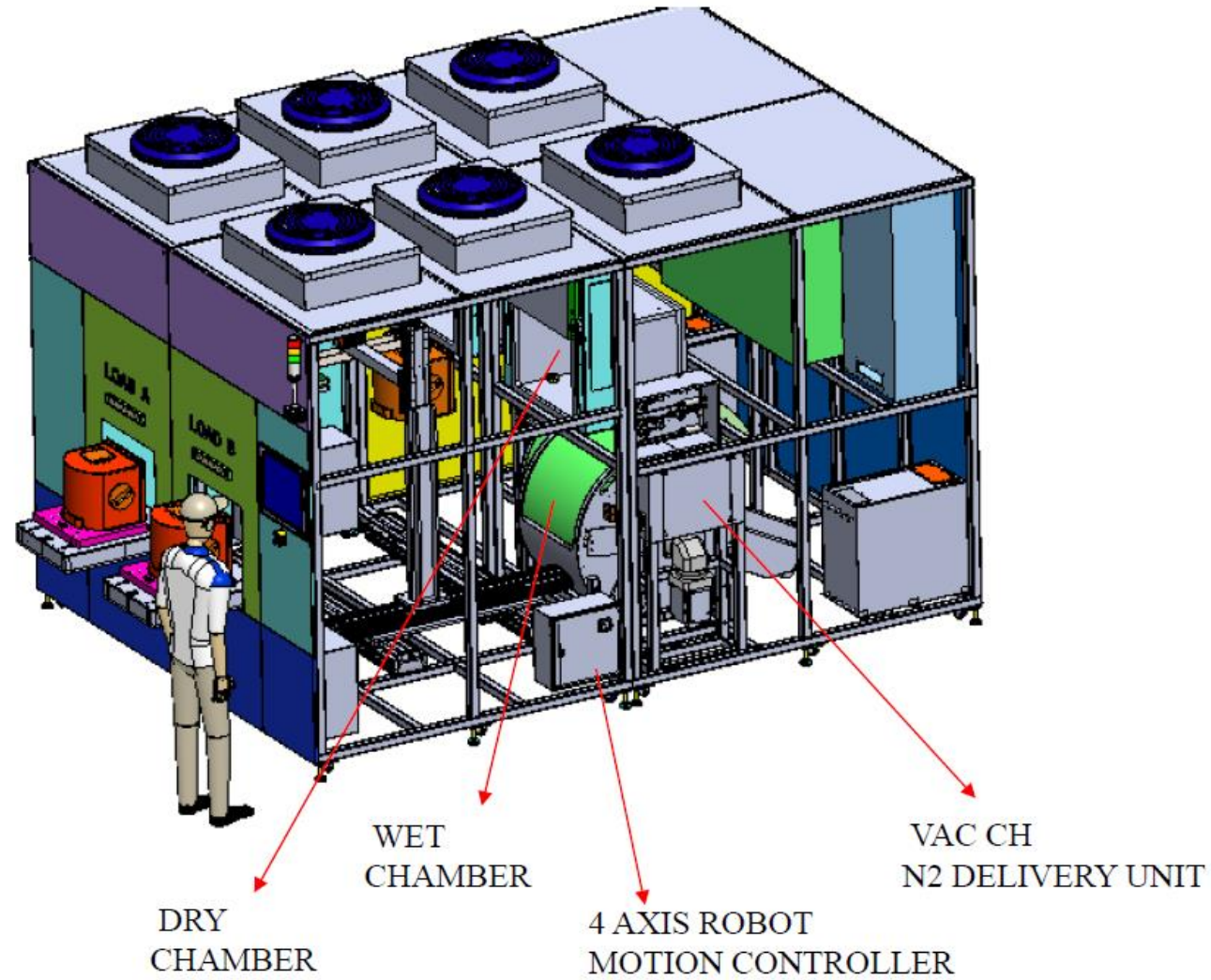


- **SYSTEM:2WET/2VAC**
 - W2800 x D4450 x H2720mm
 - THROUGHPUT : :≥15 /Hour
- **CONTROL UNIT**
 - PLC Control
 - 17" TOUCH SCREEN
- **EFEM**
 - Two FOUP LD/ULD
 - 4 AXIS ROBOT
 - LATCH OPEN/CLOSE
 - IONIZER
 - WAFER DETECT
 - OPTIONAL FOUP MEASUREMENT
- **WET CHAMBER**
 - HOT DI SPRAY CLEANING
 - SPEED CONTROL WITH SERVO MOTOR
 - NOZZLE IN/OUT
 - N2 PURGE/IR HEATER DRYING
 - DRAIN CLOG DETECTOR
- **VAC CHAMBER**
 - DRYING WITHIN VAC
 - N2/IRHEATER
 - HEATER JACKET

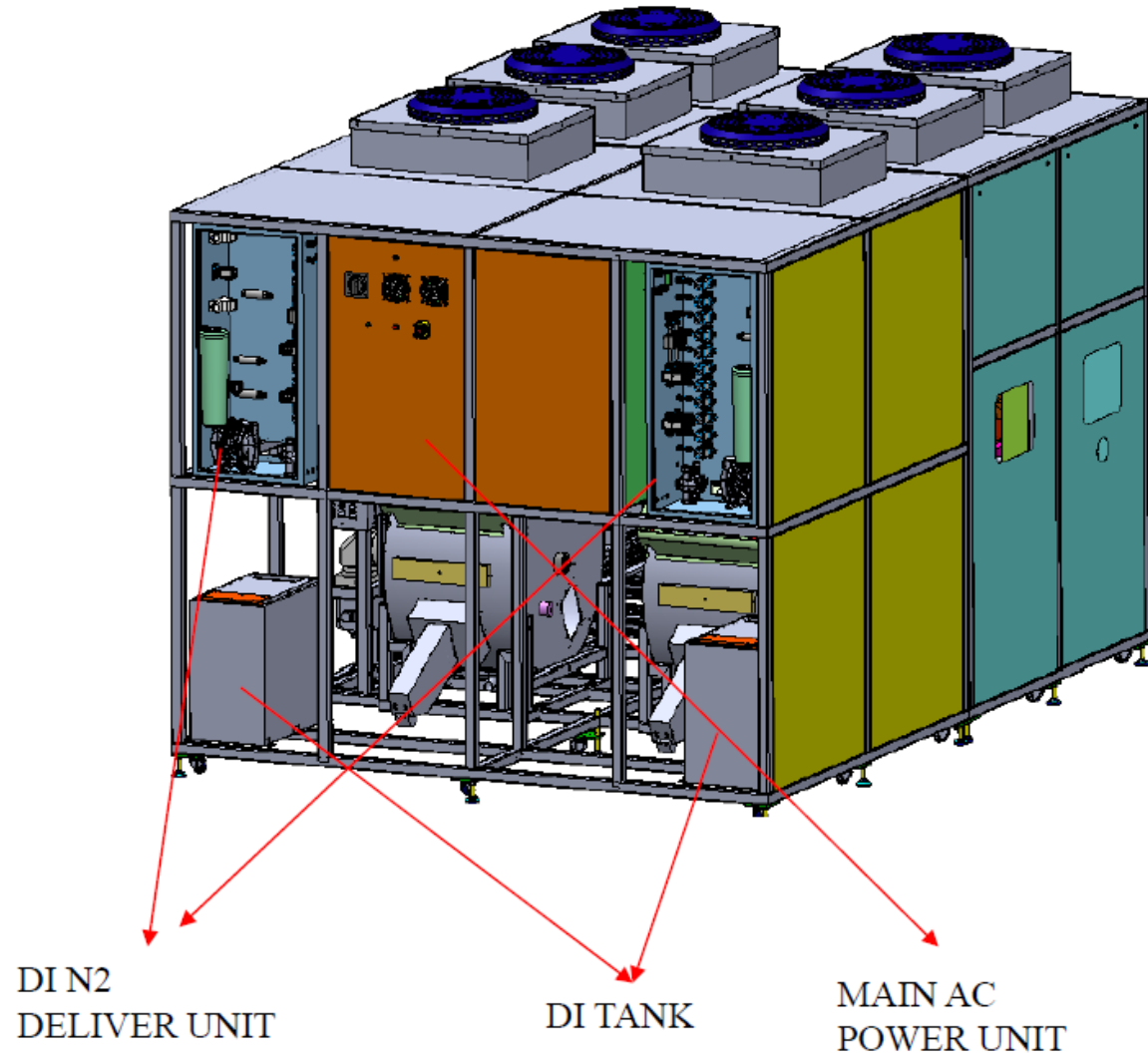
SDV-820 SYSTEM LAYOUT



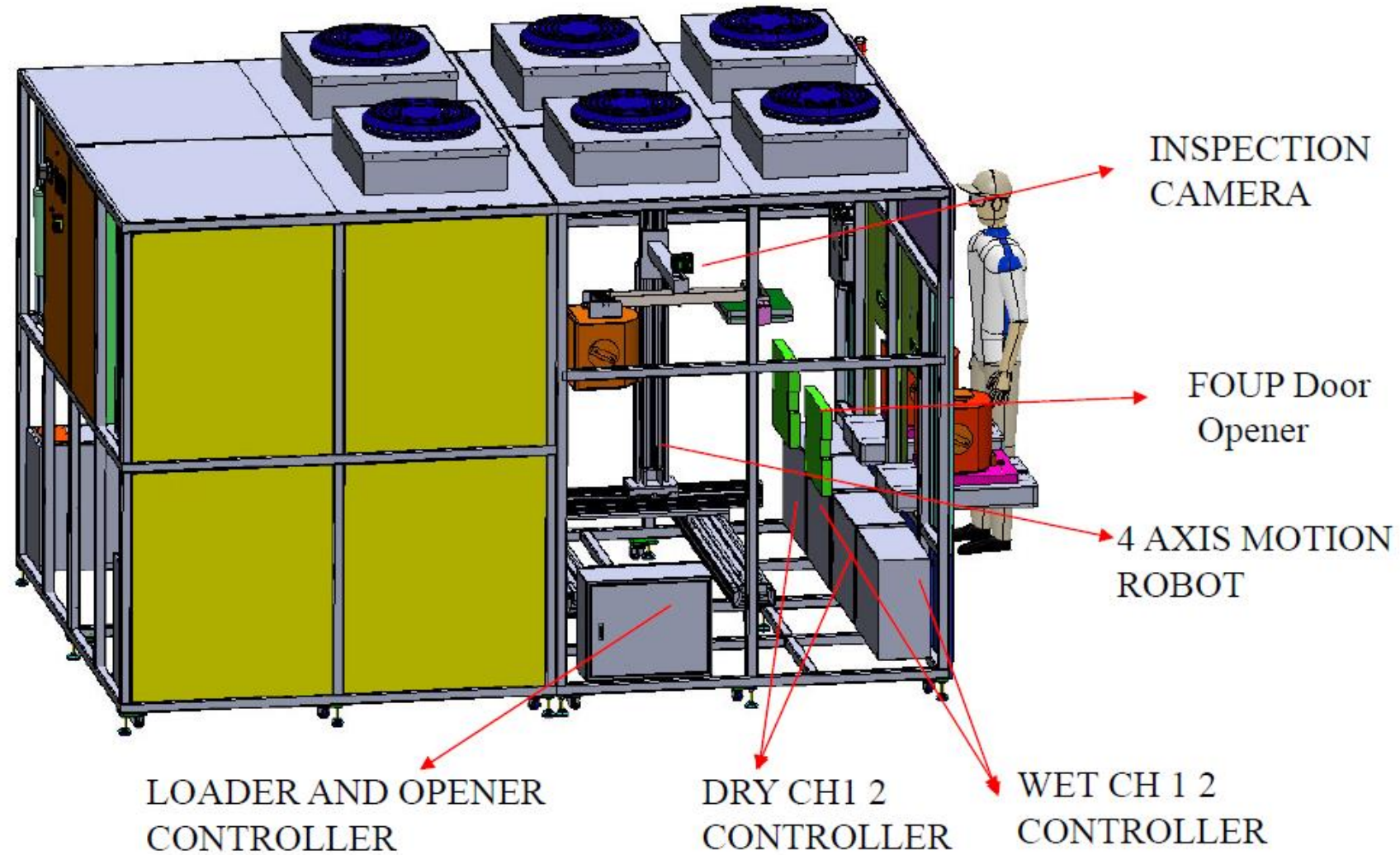
SDV-820 SYSTEM CONFIGURATION



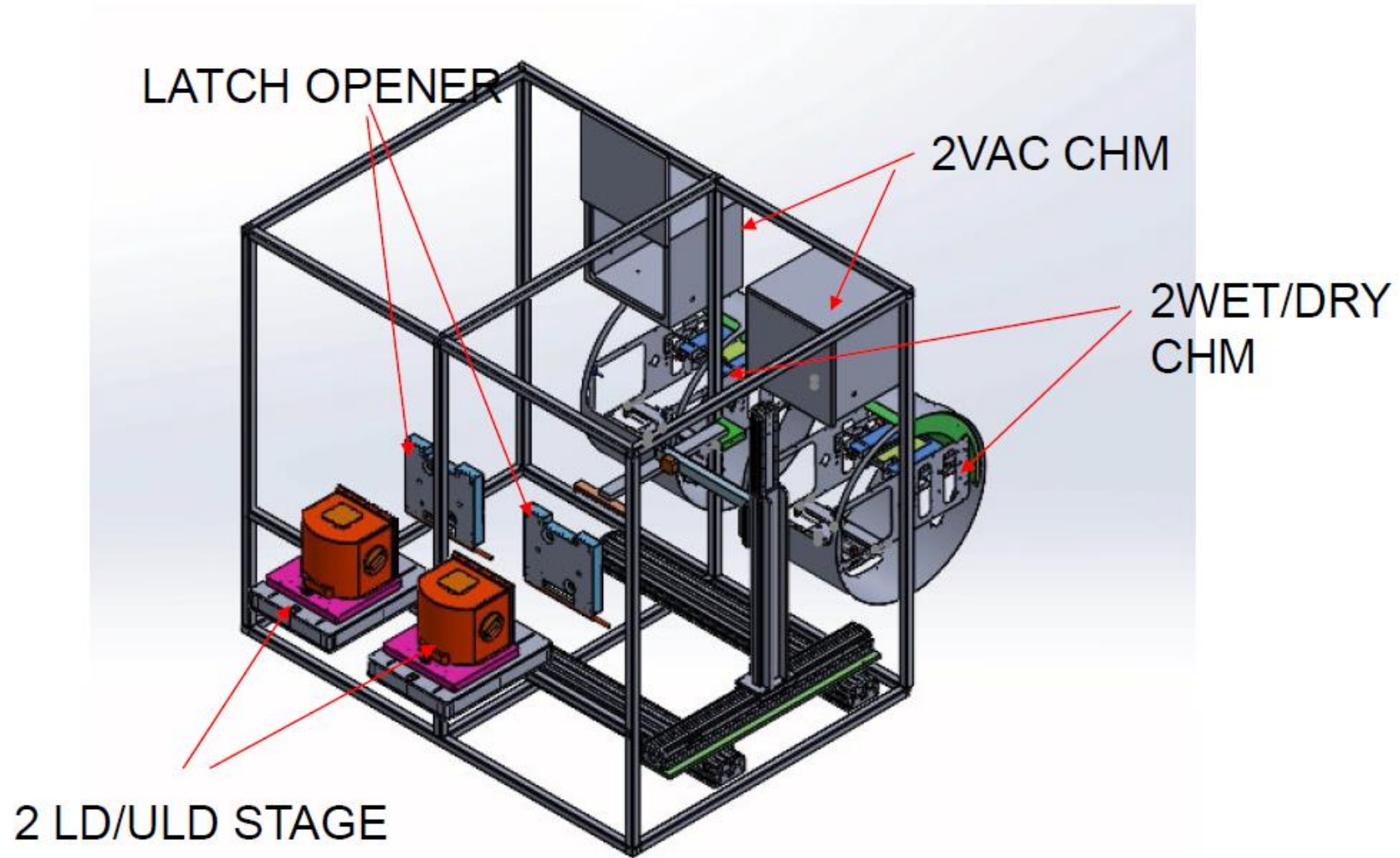
SDV-820 SYSTEM CONFIGURATION



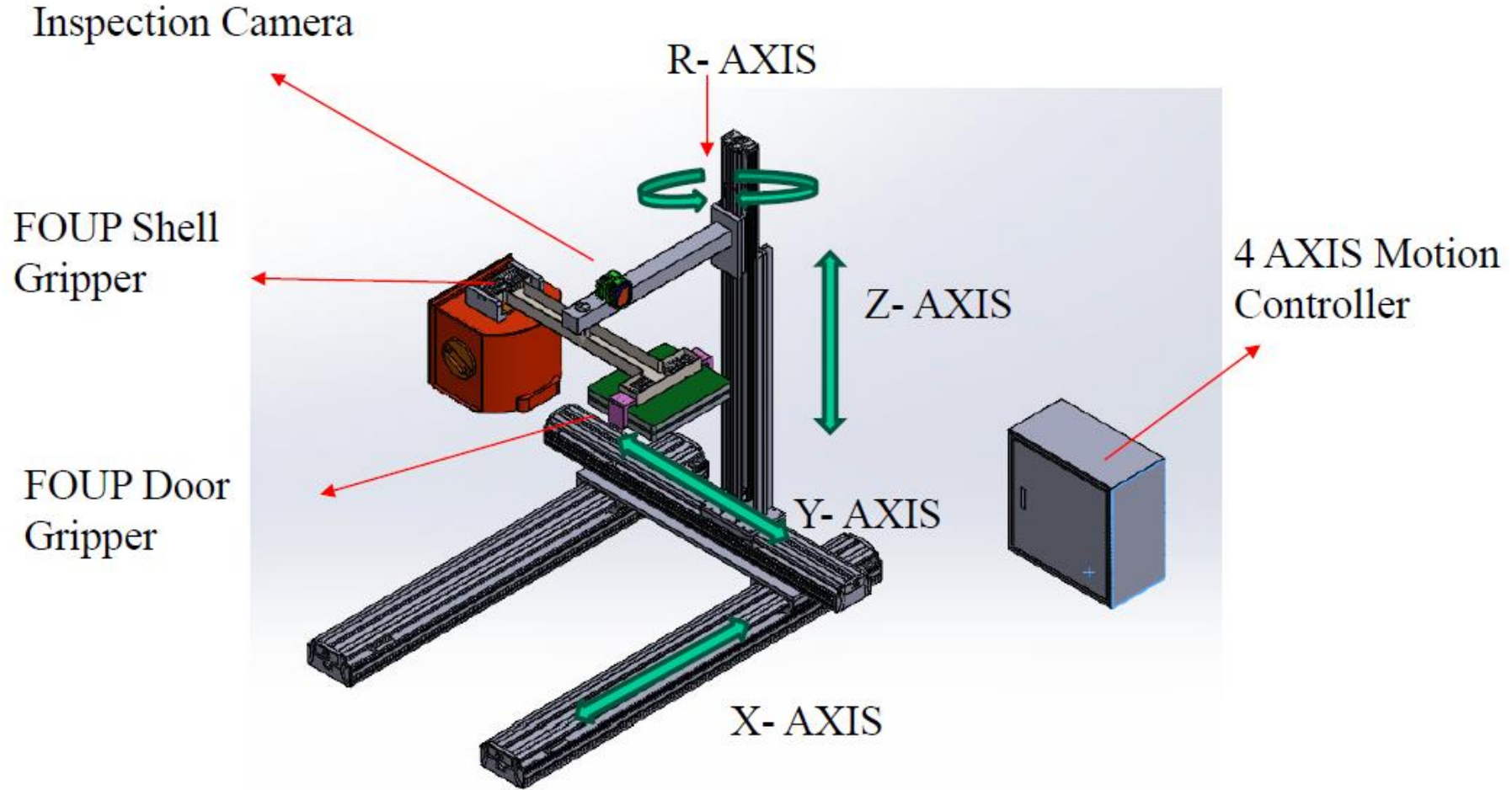
SDV-820 SYSTEM CONFIGURATION



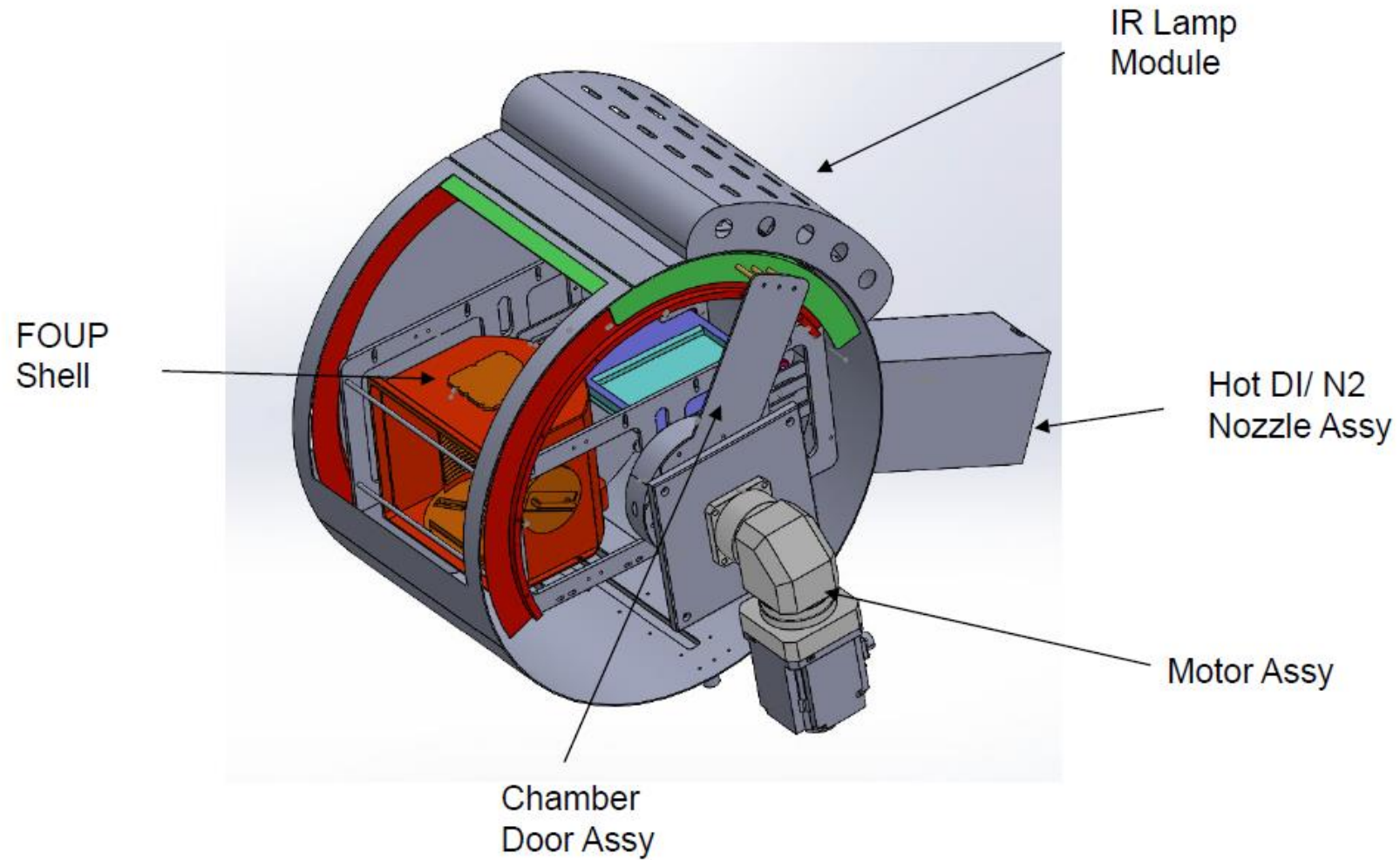
SDV-820 装置仕様



ROBOT CONFIGURATION

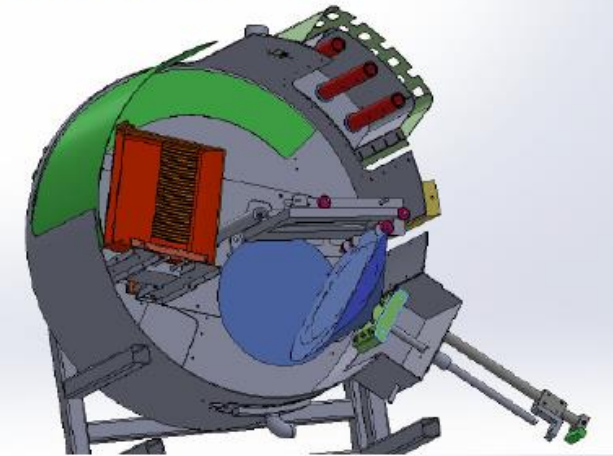
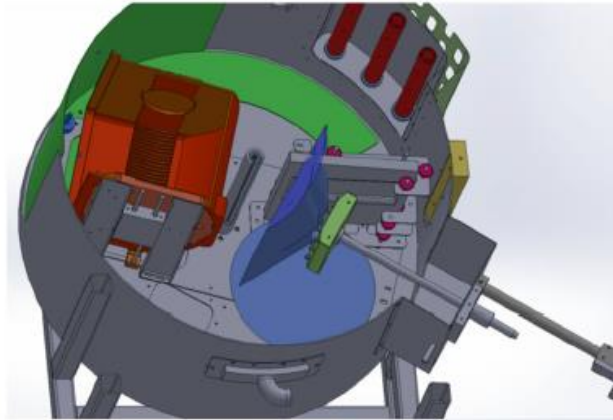


WET CHAM CONFIGURATION

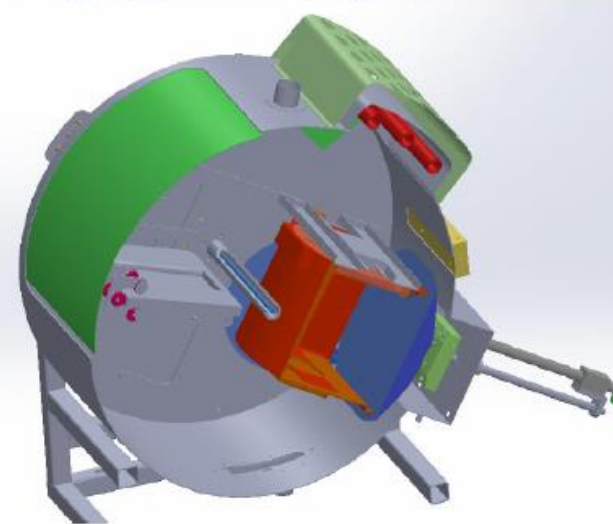
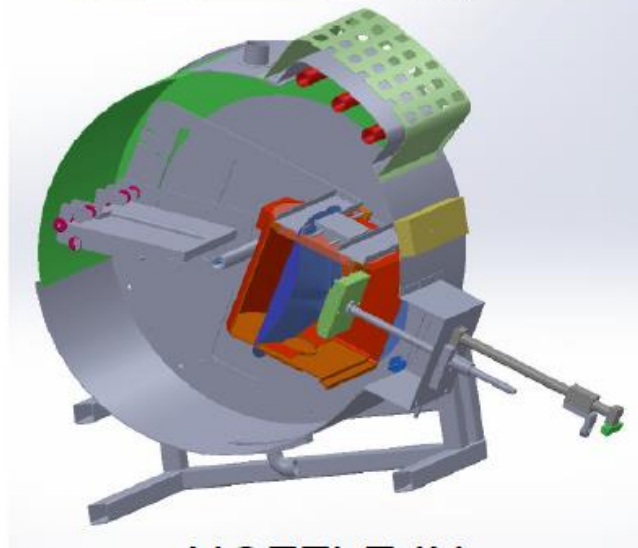


DI CLEANING CONCEPT

DOOR
CLEANING



SHELL
CLEANING



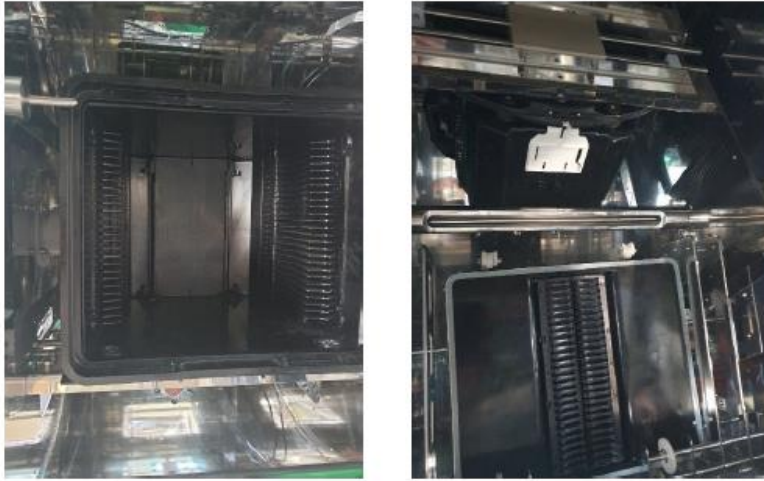
NOZZLE IN

NOZZLE Out

CLEANING PERFORMANCE UP WITH NOZZLE IN/OUT!!

WET CHAMBER PICTURE

Chamber w Door

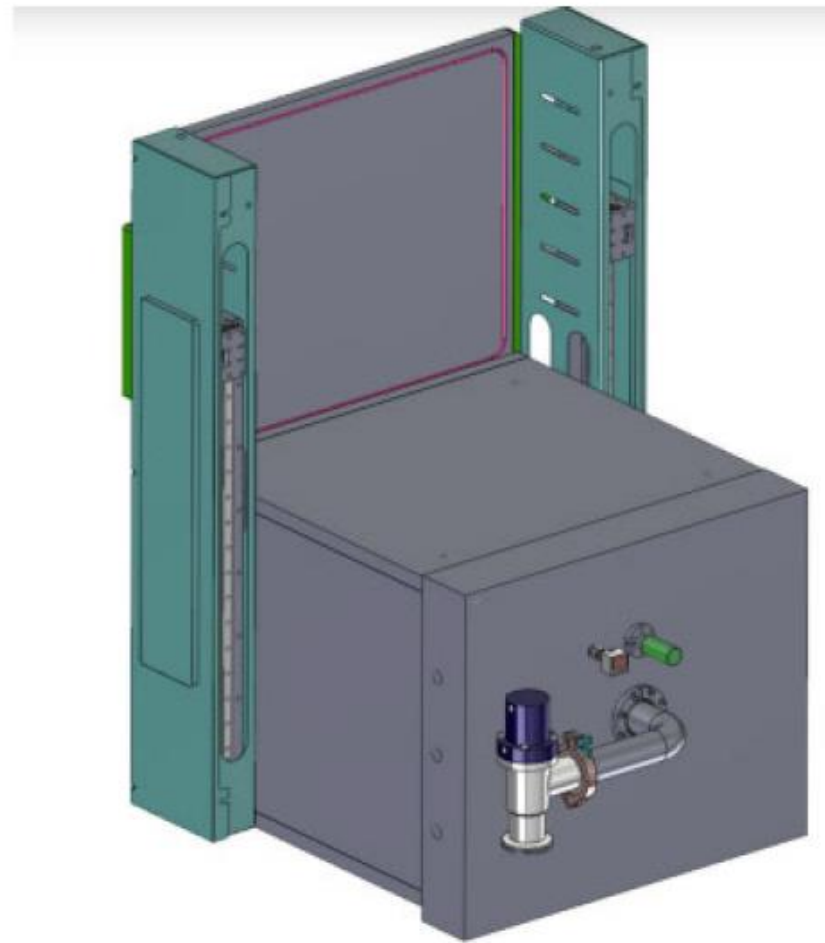
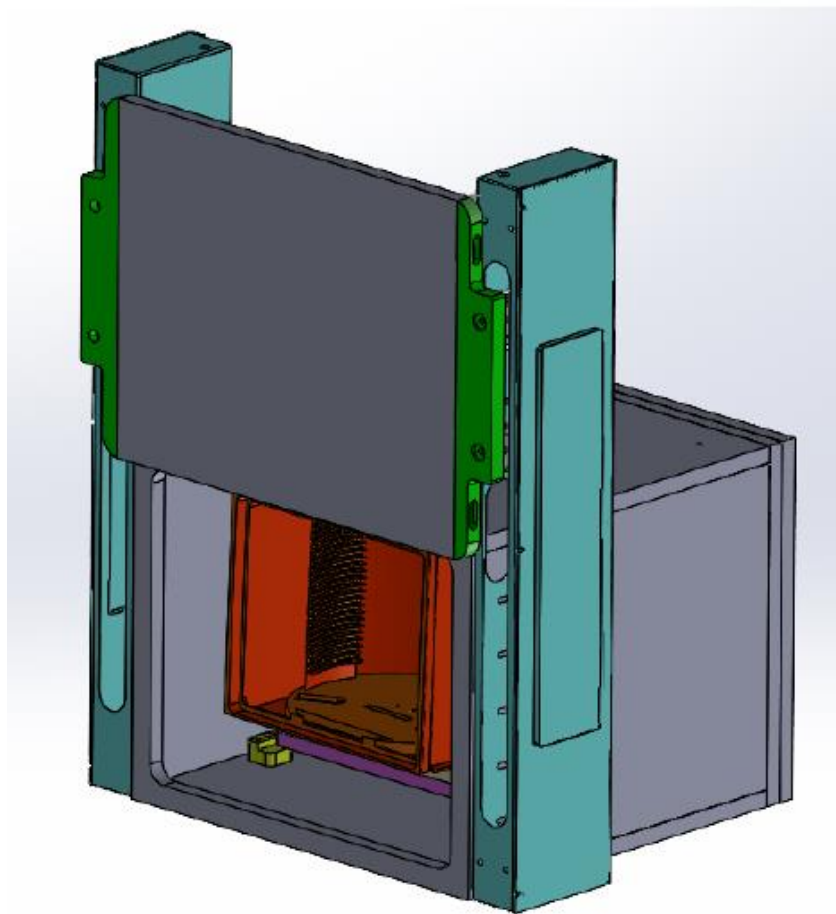


SHELL/DOOR PICTURE
IN CHM

NOZZLE In/Out STATUS



VAC CHAMBER



SDV-820 SYSTEM UTILIZATION

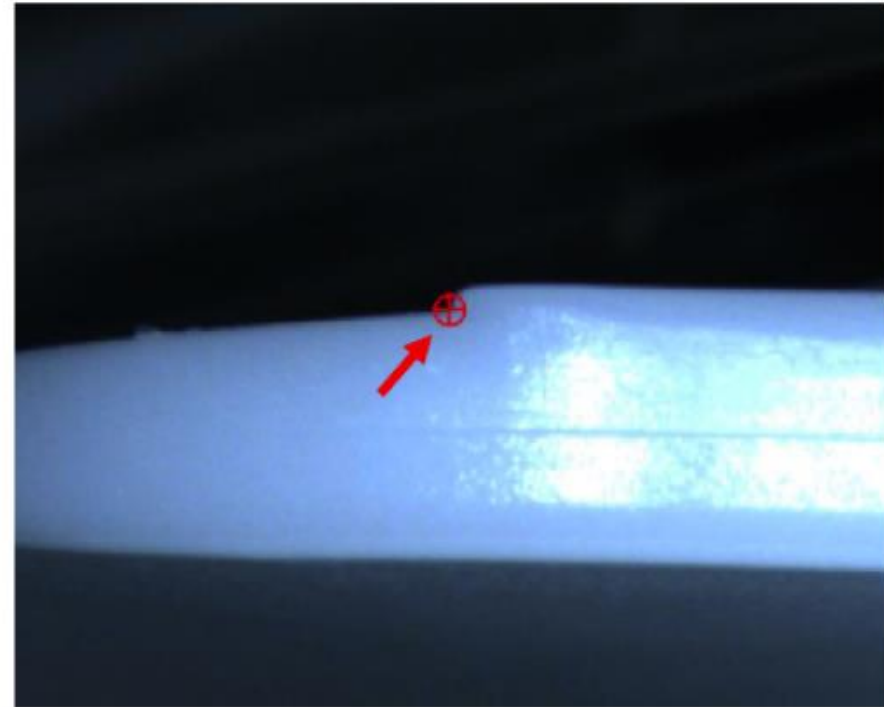
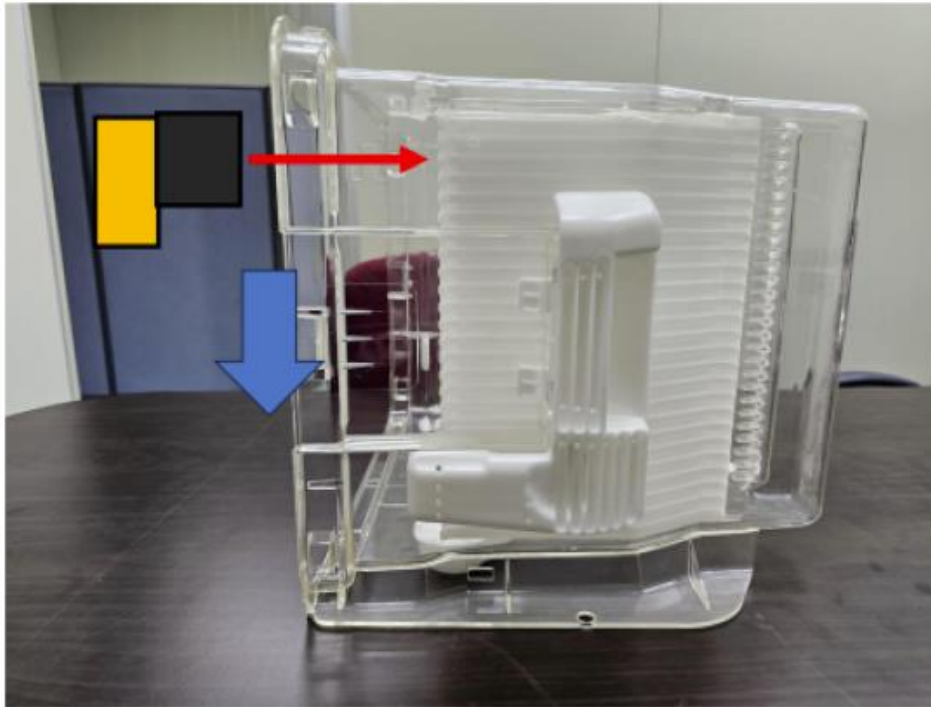
1. POWER								
ITEM	DESCRIPTION	AC VOLTS	FREQUENCY	PHASE	WIRE	CURRENT	Q'TY	REMARKS
		(V)	(Hz)			(A)		
1	Main AC POWER	208~220	50~60	3	4	Gen PWR: 250A	1	
2. Others								
ITEM	DESCRIPTION	TYPE	FITTING SIZE	PRESS	REMARKS	Q'TY		
			(INCH/A)	(Unit)				
1	N2	N2	3/4"VCR	0.8MPa	WET CHAMBER	2		WET CHAMBER DRY STEP
2	High CDA	AIR	3/4"SWAGELOCK	0.8MPa	Wet chamber	2		WET CHAMBER DRY STEP
3	CDA	AIR	1/2"SWAGELOCK	0.5MPa	Air Valve Operation/ Diaphragm Pump	2		AIR VALVE OPERATION
4	Opener Vacuum	AIR	3/8" SWAGELOCK	-50KPa	EFEM	2		FOUP DOOR OP/CL
5	WET CHM EXHAUST	AIR	100A	100 CFM	WET CHAMBER	2		SUS Flange
6	Air Operation Exhaust	Air	50A	100CFM	Air Cyliner Exhaust	1		SUS Flange
7	DI	WATER	1/2" PVDF	0.5 MPa (Min)	WET CHAMBER	2		PVDF
8	DRAIN	WATER	50A	20 L/MIN	WET CHAMBER	2		HT-PVC
9	PAN DRAIN	WATER	25A		WET CHAMBER	1		HT-PVC

FOUP/FOSB

MEASUREMENT FUNCTION

FOSB MEASUREMENT FUNCTION

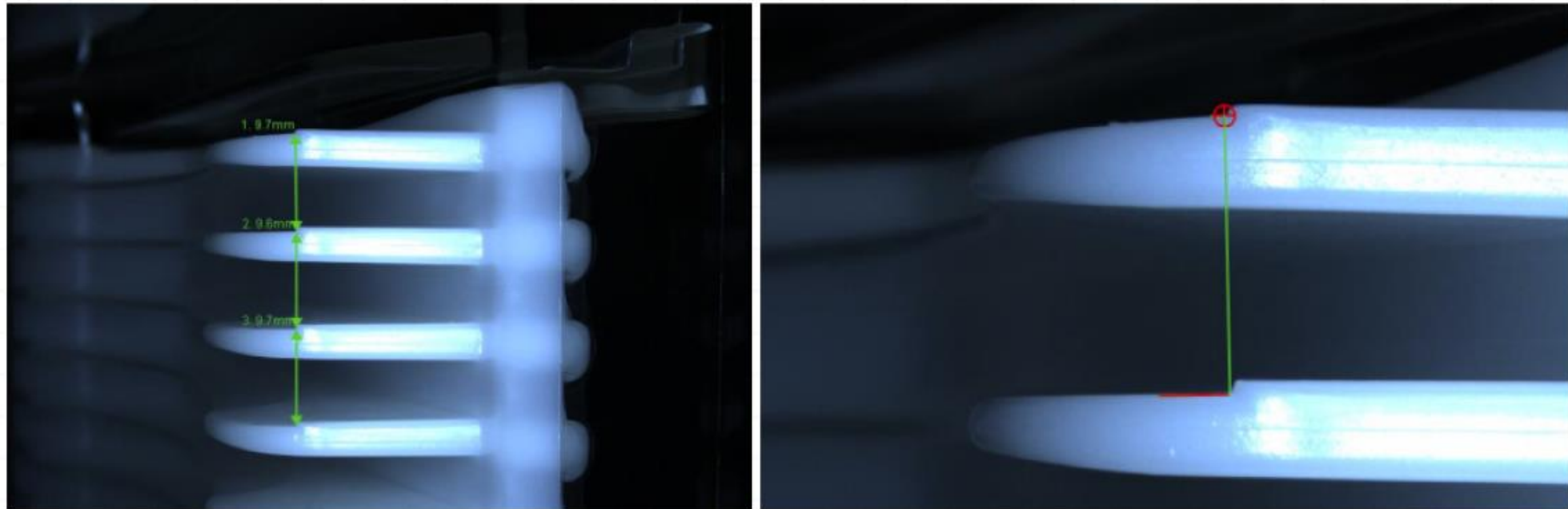
1. GAP MEASUREMENT CONCEPT



SLOT MEASUREMENT FOR DIFFERENCY,

FOSB MEASUREMENT FUNCTION

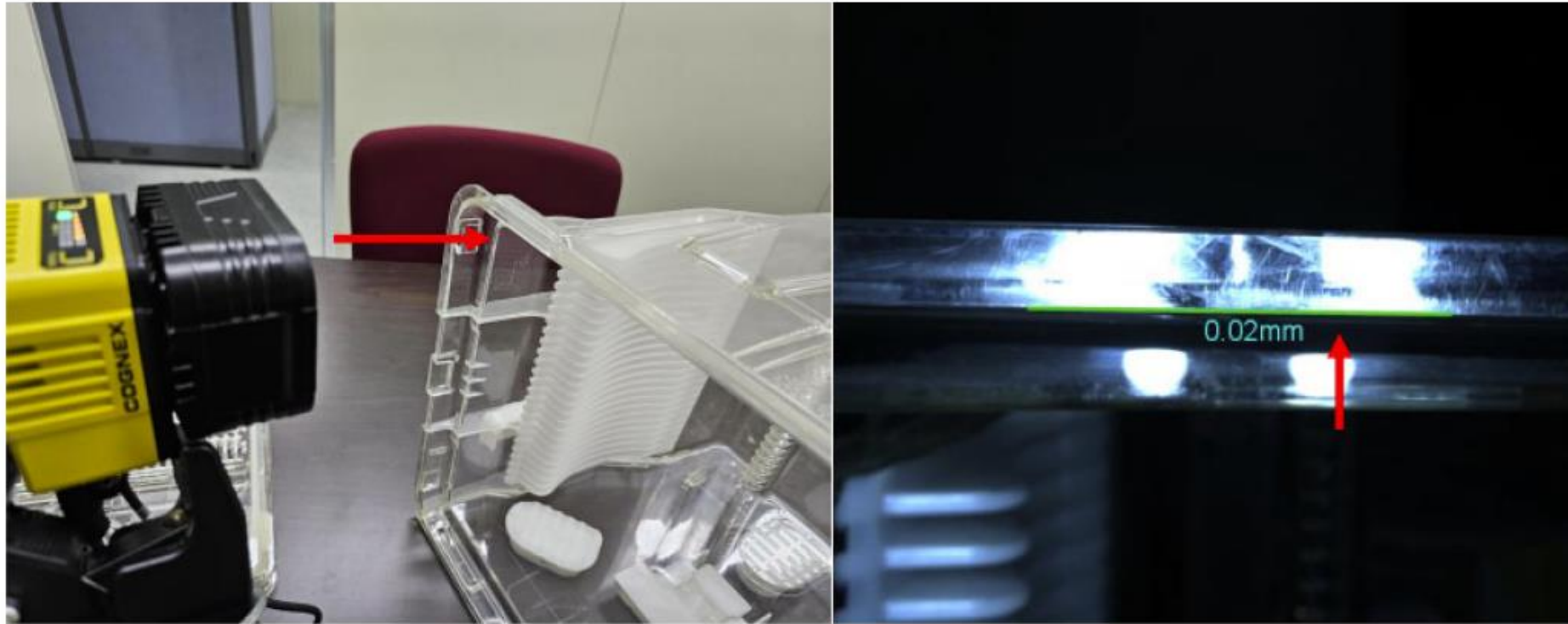
1. GAP MEASUREMENT CONCEPT



Measurement time: 100ms/shot
Capable Profile Inspection with IS3800 Easy Depp Running

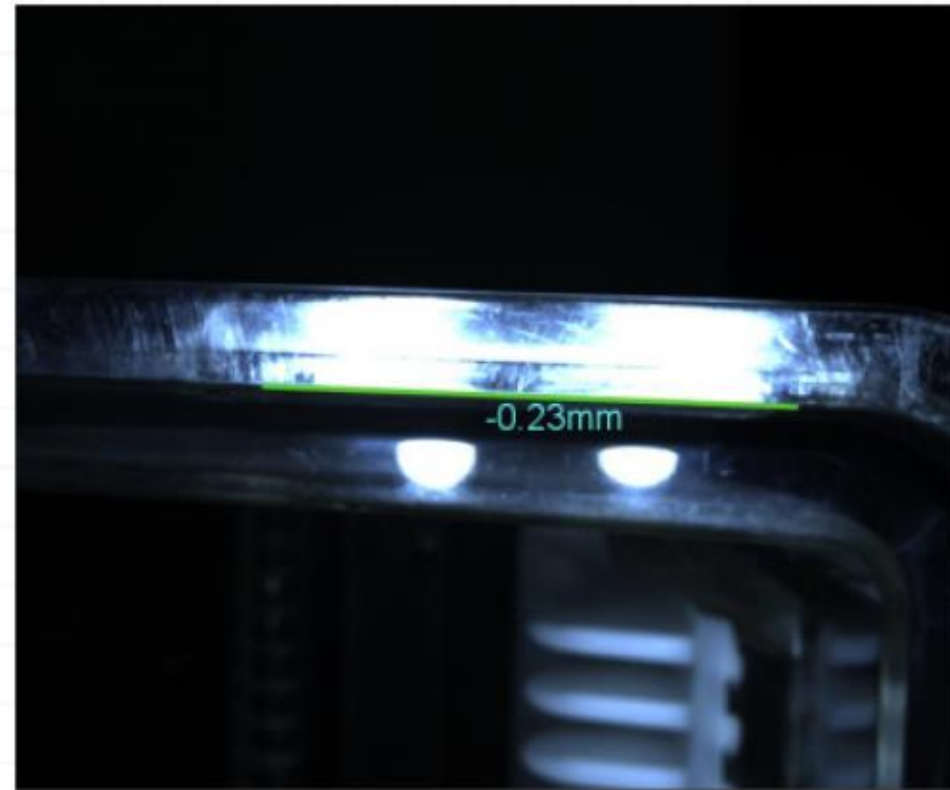
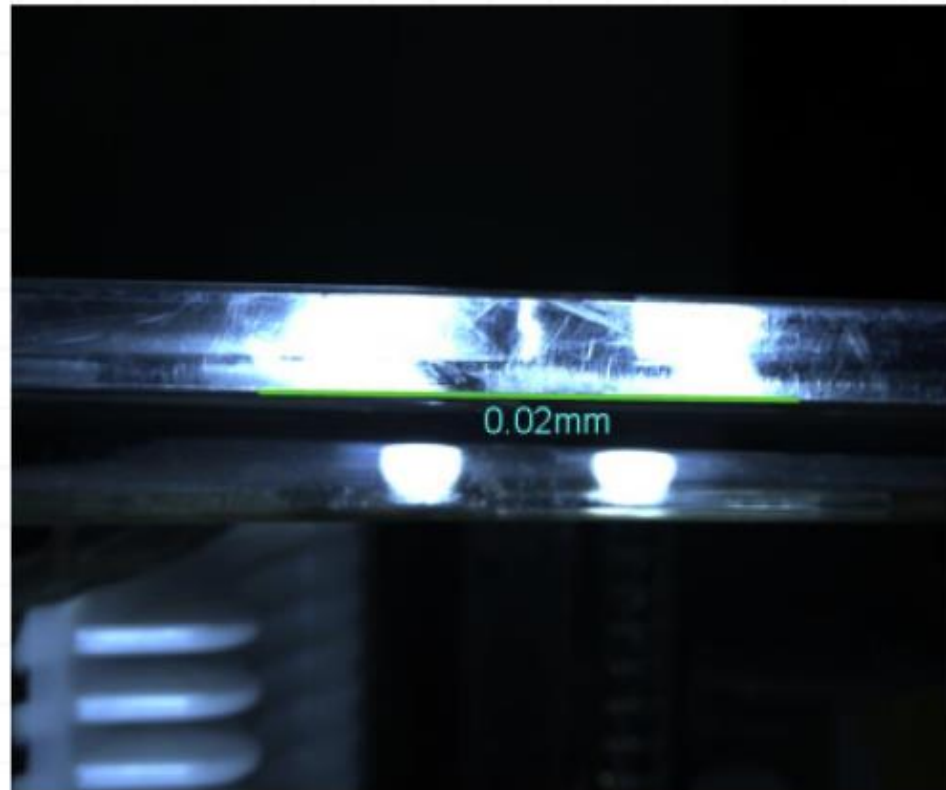
FOSB MEASUREMENT FUNCTION

2. BOX DEFORMATION MEASUREMENT CONCEPT



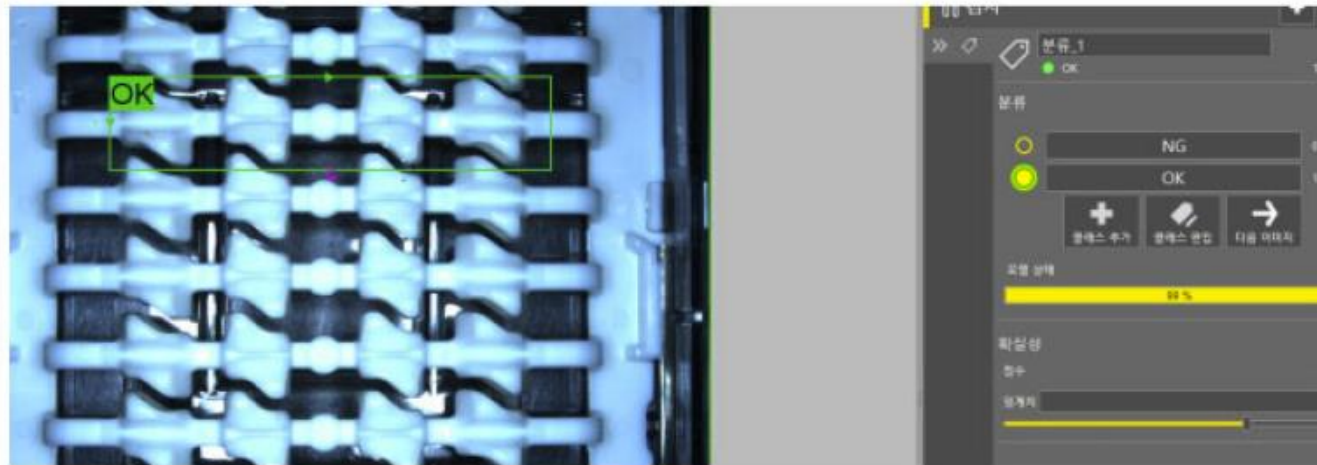
Differential of Y AXIS from Reference

FOSB MEASUREMENT FUNCTION



FOSB MEASUREMENT FUNCTION

3. Profile Measurement with Easy Deep Running



Capable Profile Inspection with IS3800 Easy Deep Running as well Gap Measurement