



HTL Co. (India) Pvt. Ltd.

Company Profile

ISO 9001:2015 Certified Company



Contact us:

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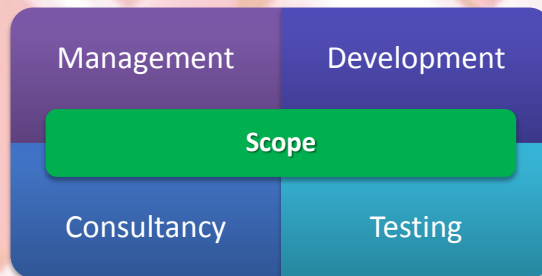
Parent Company: HTL Co. Japan Ltd. Techno Bldg.3F, 2-16-6 Akebono-cho, Tachikawa city,
Tokyo 190-0012 Japan Tel: +81 42 523 871 Web: www.htlco.co.jp

Software Business

“Commit to meet customer requirements at all times by delivering high Quality products & innovative solutions on time using leading edge technologies and offer cost effective solutions through continuous improvement in the processes and practices to enhance customer satisfaction.”



Information Technology Services (ITS) provisions services to solve business problems of our esteemed customers be it software development, software testing, Application development, Solution conceptualization, Product development, Product engineering, Migration and Porting activities. Rich management experience to meet the industry demands (Cost, Quality & Time to market)



Semiconductor (EDA)	Web Application	Image Processing	Industrial Automation
Expertise Areas <ul style="list-style-type: none"> - Data Format Convertors - Algorithm Design / Development - EDA Tool Development - GUI Development 	Expertise Areas <ul style="list-style-type: none"> - Ecommerce - Manufacturing - Finance 	Expertise Areas <ul style="list-style-type: none"> - Image Analysis - Image filtering and format conversion - Still / Motion Picture - OpenCV, Cairo, ImageMagick 	Expertise Areas <ul style="list-style-type: none"> - SCADA - DCS - PLC

HARDWARE SALES & SERVICE:



NEW

The DWL 66+ now with the
High Resolution Mode:
Our highest resolution system of all times!

[READ MORE](#)

DWL 66+
The Ultimate Lithography Research Tool

DWL 66+ SPECS:-

SPECIFICATIONS

WRITE MODE	I	II	III	IV	V	VI
Address Grid [nm]	10	20	25	50	100	200
Minimum Structure Size [μm]	0.6	0.8	1	2	4	7
Write Speed [$\text{mm}^2/\text{minute}$]	6	25	39	145	500	1000
Edge Roughness [$3\sigma, \text{nm}$]	50	70	80	110	160	240
CD Uniformity [$3\sigma, \text{nm}$]	60	80	100	180	250	500
Alignment Accuracy [$3\sigma, \text{nm}$]	100	120	150	250	400	800

MASKLESS ALIGNERS SPECS:

MLA 100



- Tabletop MLA
- Small footprint
- LED lightsource
- Economical
- Easy operation
- Frontside alignment < $1\mu\text{m}$
- Min feature size $1\mu\text{m}$

MLA 150



- High-speed MLA
- Multiple high power diode laser (405nm, 375nm)
- Climate control chamber
- Very easy operation
- Frontside alignment < 500 nm
- Backside alignment < $1\mu\text{m}$
- Min feature size $1\mu\text{m}$
- Automatic labeling

uPG 101 SPECS:



SPECIFICATIONS

WRITE MODE	I	II	III
Address Grid [nm]	40	100	200
Minimum Structure Size [μm]	0.9	2.5	5
Write Speed [$\text{mm}^2/\text{minute}$]	5	35	90
Edge Roughness [$3\sigma, \text{nm}$]	120	200	400
CD Uniformity [$3\sigma, \text{nm}$]	200	400	800
Alignment Accuracy [$3\sigma, \text{nm}$]	200	400	800

- Laser Deposition Technology (LDT)
- Laser Cladding (LCT)
- Laser Repair (LRT)
- Laser Freeform Manufacturing (LFMT)

Commonly Used Commercial Alloys

Commonly Used Commercial Alloys							
Material Group	Material	Compatible With		Material Group	Material	Compatible With	
		Repair/Cladding	Freeform Manufacturing			Repair/Cladding	Freeform Manufacturing
Titanium Alloys	Ti-6Al-4V	Yes	Yes	Nickel Alloys	CP Nickel	Yes	No
	CP Ti	Yes	Yes		Inconel 617	Yes	Yes
	Ti-6-2-4-2	Yes	Yes		Inconel 625	Yes	Yes
Steel Alloys	304 SS	Yes	Yes		Inconel 718	Yes	Yes
	316 SS	Yes	Yes		Inconel 722	Yes	Yes
	410 SS	Yes	Yes		Haynes 230	Yes	Yes
	420 SS	Yes	Yes		Haynes 188	Yes	Yes
	13-8	Yes	Yes		Hastelloy X	Yes	Yes
	15-5	Yes	Yes		Monel K500	Yes	Yes
	17-4	Yes	Yes		Cobalt Alloys	Stellite 6	Yes
	H13	Yes	No	Stellite 21		Yes	Yes
	S7	Yes	No	Cobalt-Chromium		Yes	Yes
	Aluminum	Invar 36	Yes	Yes	Tungsten Carbide	WC-Ni	Yes
4047		Yes	No	WC-Co		Yes	No

NOTE: Not all materials possible are listed here. Additional materials are in development

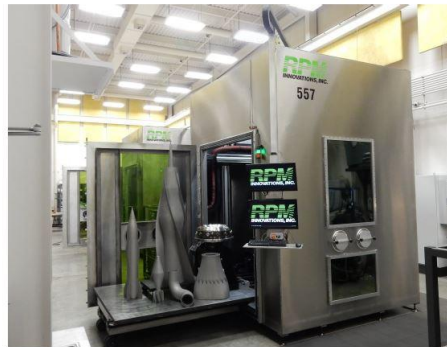
535 Chamber Design



222 Chamber Design



557 Chamber Design



BEAMER

TRACER

LAB

Pro SEM