

**PRIVATE TREATY SALE closes 31st July 2024**  
**Viewing is strictly by appointment only**

# **CDA GmbH**

## **Am Mittelrain 11 98529 Suhl | Germany**

Excellent late production tools and equipment used at the CDA facility  
in state-of-the-art cleanrooms

**NETBID**  
Auction & Valuation

### **SALE INCLUDES**

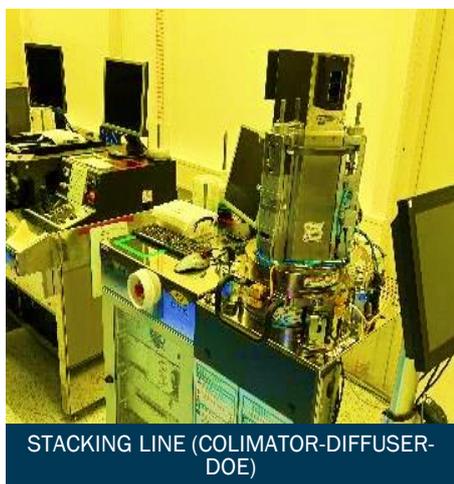
- **Wafer Bonding Systems**
- **Die Sorting**
- **Dicing Saw**
- **Optical Test System**
- **Module Assembly Cell**
- **Video Measuring System**
- **Measuring System**
- **Manufacturing Related Tooling and Machinery**



# PRIVATE TREATY SALE

Current equipment available by Private Treaty used in the manufacturer and design of customized refractive and diffractive polymer micro-optics, optical design, rapid prototyping, volume manufacturing and the assembly of components.

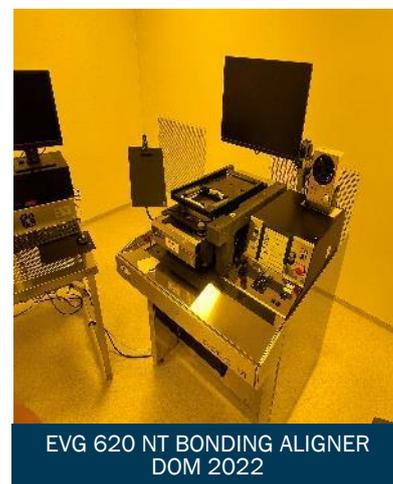
CDA was supplying component parts for the automotive, consumer electronics, machine vision, virtual reality (VR), augmented reality (AR,) life-science, gesture and 3D sensing (ToF and structured light) industries and marketplace.



STACKING LINE (COLIMATOR-DIFFUSER-DOE)



LINTEC RAD-2500M - 8 FOILING SEMI-AUTOMATIC WAFER MOUNTING SYSTEMS



EVG 620 NT BONDING ALIGNER  
DOM 2022

## Wafer Bonding Systems

### Stacking Line, (Colimator/Diffuser/DOE) System 1:

- Süss MicroTec PiXDRO LP50 INKJET Printer including Edwards nXDS6I vacuum pump (2022), Silverstone computer, 19" monitor, keyboard and mouse, DOM 2021
- EVG620 NT bonding aligner for mutual alignment and adjustment of the individual components, wafer/substrate size from pieces up to 150 mm/6", DOM 2022
- EVG EVG520 IS wafer bonder, semi-automatic, single chamber, up to 200mm, High vacuum capability (1E-6 mbar) Programmable mass flow controller, Integrated cooling, computer, DOM 2022
- SMC, type HRS050-AF-20 thermos-chiller, temperature control system with Edwards nXDS6I vacuum scroll pump, 100/240V, and 1x Busch vacuum pump, DOM 2021

WASHINGTON CLEANROOM

### Stacking Line, (Colimator/Diffuser/DOE) System 2:

- Süss - Meyer Burger PiXDRO LP50 INKJET printer, including HP Elitedesk computer, monitor, keyboard, and mouse, DOM 2018
- EVG EVG620 NT bonding aligner for mutual alignment and adjustment of the individual components, wafer/substrate size from pieces up to 150 mm/6", DOM 2018
- EVG EVG510 wafer bonder with computer unit and UV light pressing unit, DOM 2018
- EVG Cooling Station assembly tool, 160 mm
- SMC HRS050-AF-20 thermo-chiller, temperature control system, with Edwards nXDS6i 4 CFM vacuum scroll pump, DOM 2017

SHANGHAI CLEANROOM

# PRIVATE TREATY SALE

## Die Sorting

- 2x Mülbauer, DS-Variation Eco W2W die sorter, wafer to wafer including 6" Wafer expander, DOM 2016 to 2022

SHANGHAI & WASHINGTON CLEANROOM

## Dicing Saws

- Disco type DVD6240, Fully Automatic, Single-Spindle Dicing saw, up to 200 mm, 1.2 kW high-rigidity spindle is installed as a standard specification, In addition the adoption of centre thrust design makes it possible to support workpieces with high processing loads, including glass, ceramics, and other materials, using the 1.8 kW spindle, DOM 2023

WASHINGTON CLEANROOM

- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2009 (saw 9)
- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2010 (saw 8)
- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2010 (saw 6)
- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2010 (saw 5)
- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2010 (saw 3)
- ADT Gigadice 7200 wafer cube saw with 8" chuck, 4" 2.5kW, 30,000 rpm spindle, with retrofitted Camfil MD14-G10 Hepa filter, DOM 2010 (saw 1)

SHANGHAI CLEANROOM

## Optical Test System

- 4x NTS Optel MPT optical test system for optical testing, wafer stacks, with laser module and Mitsubishi picking robot, DOM 2022
- 2x Domino, type AX350I INKJET printers - used on NTS testers, with touchscreen control and automatic cartridge recognition, DOM 2009.

WASHINGTON CLEANROOM

- 2x NTS Optel DOE optical inspection system equipped with: quality testing optical camera system, DOM 2009 & 2010

SHANGHAI CLEANROOM



MULBAUER DA-VARIATION ECO W2W DIE SORTER 2016 TO 2022



ADT GIGADICE 7200 WAFER CUBE SAW, DOM 2009 TO 2010



DISCO DVD6240 FULLY AUTOMATIC DICING SAW, DOM 2023

# PRIVATE TREATY SALE

## Optical Test System

- 4x NTS Optel MPT optical test system for optical testing, wafer stacks, with laser module and Mitsubishi picking robot, DOM 2022
- 2x Domino, type AX350I INKJET printers - used on NTS testers, with touchscreen control and automatic cartridge recognition, DOM 2009.

### WASHINGTON CLEANROOM

- 2x NTS Optel DOE optical inspection system equipped with quality testing optical camera system, DOM 2009 & 2010

### SHANGHAI CLEANROOM

## Module Assembly Cell

Fraunhofer / Aixemtec IPT, optics module end-of-Line DOE assembly cell, individually configurable, assembly head movable in X, Y, Z axis, with 6 piezo servomotors, 4 x IDS UI5240CP-NIR-GL cameras, type, 4 x IDS\_UI5240CP-NIR-GL R2 cameras, 1 IDS UI5240CP-M-GL camera, Edmund Optics 8 lenses, Martin Clever, type Dispense 06 glue dispenser, 4 x Protect laser protection discs, 1 x Hepa filter, DOM 2016

### SHANGHAI CLEANROOM



NTS OPTEL MPT OPTICAL TEST SYSTEM, QTY. 4  
DOM 2022



FRAUNHOFER IPT, TYPE BASIC MACHINE IPT MODULE  
ASSEMBLY CELL DOM 2016



NTS OPTEL DOE OPTICAL INSPECTION SYSTEM, DOM  
2009 & 2010

# PRIVATE TREATY SALE

## Drilling and Milling

- Lenz DLG-615-1 CNC high-speed drilling and milling machine, DOM 2011
- 2x USI UH114 manual foiling device

DOE MILLING ROOM

## Measuring System

- EFL Trioptics OptiSpheric INV HR , non-contact measuring device for measuring the effective focus length, with controller and control computer, luminator, ACE LA-100IR Light source Schott KL1500HAL cold light source including accessories, DOM 2022

MASTER RING LASER LABORATORY

## Video Measuring System

- 3 x Nikon iNEXIV VMA-2520 automated 3D measuring system with computer and joystick

SHANGHAI CLEANROOM AND MEASURING ROOM

## Manufacturing Related Tooling and Machinery

- Bruker, Dimension Edge Atomic Force microscope/AFM, external controller, vibration-damping table, control computer with 19" monitors, DOM 2013

MFS MEASURING ROOM

- GSP, SAM-C8-12P1, - 8" film packaging machine for 8" wafers, SN A3779, DOM 2019
- Perfection Products 6" wafer cassettes magazines
- 2x Colandis, type 23673 clean air workstation with Hepa filters, DOM 2022 & 2023
- Tecnotrans, PURE15K PU0150-0.5-SA-GRA/VM40-01C02 cooling device, DOM 2022

WASHINGTON CLEANROOM

- 2x Lintec, type RAD-2500m - 8 foiling semi-automatic wafer mounting system

SHANGHAI CLEANROOM



LENZ DLG-615-1 CNC HIGH-SPEED DRILLING & MILLING MACHINE, DOM 2011



NIKON INEXV VMA-2520 VIDEO MEASURING SYSTEM, QTY. 3, DOM 2010 TO 2018



BRUKER DIMENSION EDGE ATOMIC FORCE MICROSCOPE- AFM, DOM 2013

# PRIVATE TREATY SALE



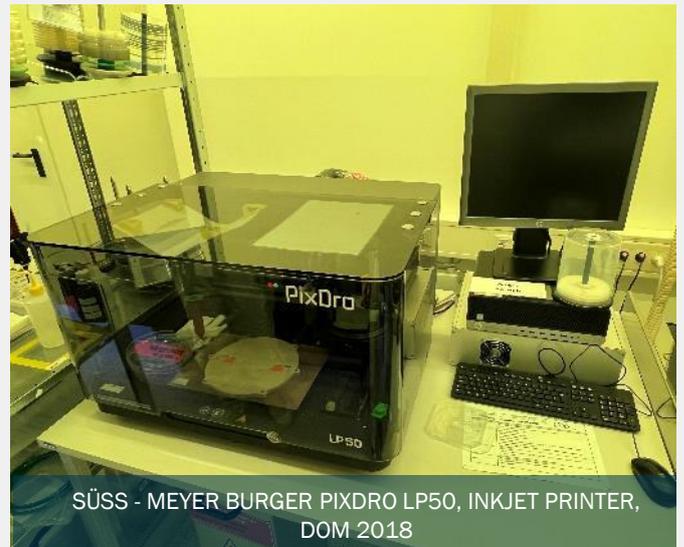
GSP SAM-C8/12PFILM PACKAGING MACHINE DOM 2019



ULTRON SYSTEMS UH114 MANUAL FOILING DEVICES



EVG EVG510 WAFER BONDING STATION, DOM 2018



SÜSS - MEYER BURGER PIXDRO LP50, INKJET PRINTER, DOM 2018



NTS OPTEL MPT OPTICAL TEST SYSTEM, QTY. 4 DOM 2022



MULBAUER DA-VARIATION ECO W2W DIE SORTER, QTY 2, DOM 2016 & 2022

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## **CONTACTS**

**Greg Zaharewicz**

[gzaharewicz@gordonbrothers.com](mailto:gzaharewicz@gordonbrothers.com)

+44 (0) 779 979 6128

**Robert Pental**

[rpental@gordonbrothers.com](mailto:rpental@gordonbrothers.com)

+44 (0) 7774 652 403

**Ronny Siebel**

[siebel@netbid.com](mailto:siebel@netbid.com)

+49 (0) 1717 772 007

[www.gordonbrothers.com](http://www.gordonbrothers.com)