



GLOBAL CUSTOMER
OPERATIONS GROUP

COGNEX™ In-Sight® 1721 Upgrade for MapTrak™ Express (MTX)

INTEGRATED SOLUTIONS

With the COGNEX™ In-Sight retrofit kit Brooks provides a valuable upgrade opportunity for all MTX users to the latest ID reading technology.

At Brooks Automation Global Customer Support we are committed to supporting you. Our mission is to exceed expectations in all areas of customer responsiveness.

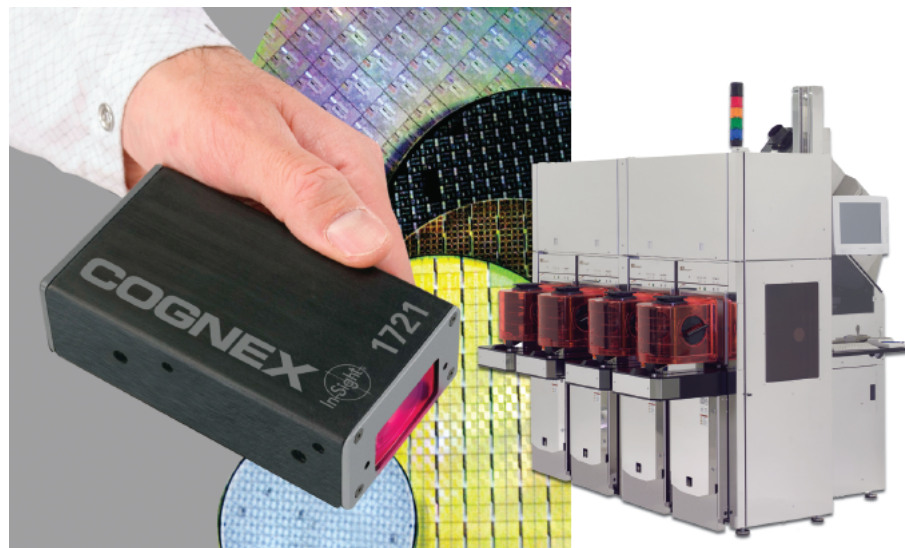
The COGNEX In-Sight retrofit kit is the key solution to boost Brooks' MapTrak Express (MTX) benefits and profitability. The kit replaces the existing Siemens LKx5 reader with state-of-the-art COGNEX In-Sight reader technology. The kit contains all required parts including an additional electronic rack and new software that will be installed by Brooks' service specialists.

Features:

Benefits:

- Prevents from investment in new Sorters (\$250,000+) due to extended ID reading capabilities (e.g., INGOT ID) Ingot ID reading capability
- Throughput boosting (less sorter per same wspm)
- Shorten material passing: 4% to more than 20% throughput improvement (depending on ID contrast)

- **Extension of MTX's ID Reading Capacity**
 - COGNEX reader is designed to cover a wide range of latest IDs - e.g., INGOT ID
 - Upgradeable reader firmware
- **ID Reading Intelligence and Quality**
 - High speed reading with capability to detect extremely small and low contrast IDs
 - Built-in intelligence: Reader automatically adjusts to different ID types, optimizes reading follow-up (e.g., order) etc.
 - Error-Management, extended background routines for ID recognition
- **Reader Configuration and Compatibility**
 - Guided configuration, ID reading and life image via Ethernet (Internet Explorer)
 - Replacement for discontinued LKx5 reader
 - Compatible with all MTX 2000, MTX 4000, same HOST interface, compatible commands (only SYNC replaced)



Specific Requirements

- It is required that the fab provides IP addresses for each of the readers (to enable direct reader access through the network).
- One day tool down for the sorter is needed to install the kit (installation of the upgrade included).
- Installation needs to be done by Brooks' certified service engineers.
- "Job creation" (creation of customer and wafer ID specific routines) is not included in the upgrade and is calculated based on the real on-site demand.
- The customer has to provide sample wafers as basis for the job creation and acceptance of the reader functionality.
- Every read job can consist of up to 10 sub-jobs containing ID type, font, exposure etc. to support effective reading.
- The reader exchange has to be equivalent to the LKx5 configuration (e.g. a MTX top reading configuration will remain a MTX top reading configuration).

Content of Upgrade Kit

- Software Manual
- MTX software (new SYNC), large assortment of camera specific utility programs to support error image file transfers and reader configurations (provided on CD).
- COGNEX readers (2x1 for top- or 2x1 for bottom reading, 2x2 for top- and bottom reading).
- Additional Electronic rack (to be integrated in the MTX) including:
 - New MTX power supply for reader
 - Power Connectors
 - Ethernet Hub
- Cable set
- Installation manual

Conformity

- CE, UL

Reading Capability:

Supported Wafer ID Types		Standards
OCR	Semi font	SEMI M12, M13, M1.15
	IBM font	N/A
	Triple font	N/A
2D	Data Matrix™ (ECC 200, 8x32)	SEMI T7 and M1.15
Barcode	BC 412 and IBM 412	SEMI T1-95

Available Sets:

Reading Capacity	Top- or Bottom Reading	Top- and Bottom Reading
Type of MTX	MTX 2000 / MTX 4000	MTX 2000 / MTX 4000
P/N	139852	139853

For more information, please contact your local Brooks Automation sales representative or visit www.brooks.com.

