



OptoTech

# IQ-Star

Stacking and Distribution System of Job Trays



The OptoTech IQ-Star is the ideal solution for simple, low cost, space saving and intelligent LAB automation, which links the storage and distribution of job trays in an intelligent manner.



## Technical Data

|                                       | IQ-Star                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------|
| Application                           | Intelligent storage and distribution system                                            |
| Control                               | Beckhoff                                                                               |
| Host Interface                        | TCP/IP RJ45                                                                            |
| Turning Axis Speed                    | 45°/s                                                                                  |
| Vertical Axis Speed                   | 290 mm/s                                                                               |
| Productivity                          | up to 218 jobs (depending on job tray type)                                            |
| Tray Type                             | Standard job trays 219 x 259 mm                                                        |
| Air Pressure Requirement              | 5 bar                                                                                  |
| Power Requirement (others on request) | 0,6 kVA / 220-240 V / 50/60 Hz                                                         |
| Dimensions                            | Width: 1210 mm, Height: 2072 mm, Depth: 1161 mm                                        |
| Weight (approx.)                      | 512 kg                                                                                 |
| Disclaimer                            | All data are subject to change without notice.<br>Please verify details with OptoTech. |



## Highlights

- 8 sectors arranged in a star shape can be used as depots for your job trays. In every sector, up to 7 incoming or outgoing conveyor belts can be installed. This results in thousands of possible configurations and offers you a maximum in flexibility for planning your LAB automation.
- Up to 218 job trays can be stored and distributed in the IQ-Star:  
Basic version can store up to 92 standard job trays  
Extended version can store up to 120 standard job trays or up to 218 narrow job trays (254 x 129 mm)
- With the use of the IQ-Star, you can do away with long conveyor belts, which means not only a huge saving of space in your lab, but also a better accessibility and greatly reduces the noise level in the lab

## System Advantages

- Fits for all Lab sizes and links the storage and distribution of job trays
- Very easy to use due to touch screen
- Intelligent storage and distribution system for maximum lab productivity

## Options

- The optional IQ-Star Server offers a simple and intelligent solution for easily connecting multiple IQ-Star and for all complex automation tasks