

# STS400™

**DATALOGIC**



## ONE SOLUTION-ONE PART NUMBER

Each complete STS400™ solution has a single order number. Matching the application requirements to the solution selection is an easy process. All that's needed are the bar-code resolution and the conveyor width. STS400™ means saving installation costs and time – 100% pre-assembled and calibrated – no focusing, no height barrier and no encoder required. The high read rates are guaranteed by the factory validated reading performance. Also the self-contained mechanical layout makes the integration into constrained spaces quick and easy. The complete reading system fits into a space only: 1065 x 223 x 149 mm – 42 X 9 x 6 in (cables, connection boxes, and readers included).

## EASY TO MANTAIN

Thanks to the absence of moving parts, STS400™ requires minimum maintenance. Detecting a reading problem is simple with the Green Spot feature: a flashing green light indicates the good read at the single device level, so providing an immediate feedback of the reading status without any additional software tools.

The automatic reader replacement function allows substituting a faulty reader by simply connecting a new MATRIX 410™ to the cluster. The mechanical fixture of the reader to the bar has also been simplified for improved precision. Moreover, the factory assembly eliminates any setup activity on site and prevents any risk of error.

## HIGHLIGHTS

- Excellent performance
  - Motion Speed and Coverage
  - Reading robustness
  - Factory performance validation
- Easy to Install
  - Out-of-the box solution
  - Self-contained system, maximum integration
- Easy to Mantain
  - MATRIX 410™ ATS - Factory
  - Assembly
  - Automatic reader replacement
  - Unrivalled long term reliability

## APPLICATIONS

- Tracking and Traceability is a primary need of tire manufactures. In logistics, WIP, quality control, and compliance, tires get tracked at every step of production process. Starting with raw materials through tire assembly, to the end-of-line sorting, reading the bar-code on tires is critical. But reading a bar-code on tires is a difficult task: it calls for omni-directional reading of low aspect ratio codes, whose quality degenerates during the manufacturing process. If the correct scanning technology is not applied, it may result in loss of production efficiency, additional manual handling, and extra costs for compliance management.
- STS400™ is the first-in-class solution to effectively address the demanding requirements of Tire Tracking and Traceability.

## ADVANTAGES

- STS400™ is extremely compact and based on a self-contained structure. The solution excels in delivering top reading performance with simplicity of installation and maintenance. For example the solution is pre-assembled and calibrated, making integration into a tire sorting system quicker than ever. In less than one hour, with no special tools or training, the STS400™ can go from the shipping carton to reading tires in the production line! highest throughput and maximum ease of use.

# READING DIAGRAMS

PN	DESCRIPTION	READERS	CODE RESOLUTION	FOCUS DISTANCE	MIN READING DISTANCE	MAX READING DISTANCE	VERTICAL FOV @ MIN DISTANCE	HORIZONTAL FOV @ MIN DISTANCE
		qty	mm (mils)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
937401023	STS400-005	5	0.30 (12)	1065 (41.9)	890 (35)	1140 (44.9)	184 (7.2)	805 (31.7)
937401024	STS400-006	6						945 (37.2)
937401025	STS400-007	7						1005 (42.7)
937401026	STS400-008	8						1225 (48.2)
937401027	STS400-015	5						635 (25)
937401028	STS400-016	6	0.25 (10)	788 (31)	710 (28)	910 (35.8)	146 (5.7)	745 (29.3)
937401029	STS400-017	7						855 (33.7)
937401030	STS400-018	8						945 (38)
PN	DESCRIPTION	READERS	CODE RESOLUTION	FOCUS DISTANCE	MIN READING DISTANCE	MAX READING DISTANCE	VERTICAL FOV @ MIN DISTANCE	HORIZONTAL FOV @ MIN DISTANCE
		qty	mm (mils)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
937401037	STS400-105	5	0.35 (14)	1065 (41.9)	890 (34.6)	1280 (50.4)	184 (7.2)	805 (31.7)
937401038	STS400-106	6						945 (37.2)
937401039	STS400-107	7						1005 (42.7)
937401040	STS400-108	8						1225 (48.2)
937401085	STS400-115	5	0.25 (10)	1080 (42.5)	930 (36.6)	1310 (51.6)	143 (5.7)	625 (24.6)
937401086	STS400-116	6						735 (28.9)
937401087	STS400-117	7						845 (33.3)
937401088	STS400-118	8						955 (37.6)
PN	DESCRIPTION	READERS	CODE RESOLUTION	FOCUS DISTANCE	MIN READING DISTANCE	MAX READING DISTANCE	VERTICAL FOV @ MIN DISTANCE	HORIZONTAL FOV @ MIN DISTANCE
		qty	mm (mils)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
937400018	STS400-205	5	0.30 (12)	380 (15)	317 (12.5)	457 (18)	145 (5.7)	754 (29.7)
937400019	STS400-206	6						894 (35.2)
PN	DESCRIPTION	READERS	CODE RESOLUTION	FOCUS DISTANCE	MIN READING DISTANCE	MAX READING DISTANCE	VERTICAL FOV @ MIN DISTANCE	HORIZONTAL FOV @ MIN DISTANCE
		qty	mm (mils)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
937400020	STS400-305	5	0.30 (12)	483 (19)	405 (15.9)	560 (22)	141 (5.6)	748 (29.4)
937400021	STS400-306	6						888 (35)

# DIMENSIONS

STS400-005, STS400-205, STS400-305



