

# Thinking...

## Vision System

Flexible, Scalable and Seamless approach for present and future-ready solutions to address the ever growing demand of vision systems in almost all industry segments.

Leading companies around the world find it difficult to forecast and visualize their future requirements for vision systems since it's a very complex task and they end up purchasing the entire vision system package with all features & functionalities when they do not require approximately 90% of its functionalities for present use. Condot provides flexible and scalable solutions which shall allow our customers to meet present day needs/requirements and since our solutions are modular our customers can keep on adding new modules (with latest versions) and future proof their business. This approach makes our solutions relatively economical and easy to integrate into the existing production line simplifying the entire process.

SCANDOT solution is designed to meet all functional market expectations while offering flexibility to the customers to choose the suitable functionality/module to suit their requirements.

SCANDOT solution is designed to address the Industry demand for track and trace, brand loyalty / customer retainer-ship campaigns, Unique ID verification, ware house management and many other similar applications.

SCANDOT solution is not only scalable but also include regulatory requirements like CE Standard, and 21 CFR Part 11 user management protocols as per standards.

Our solutions are easy to integrate and retro fit onto any production line whether packaging, printing or any other relevant production ecosystem.

### Your QUEST ends here



### SCANDOT software features

#### Reading tools

- OCR – Text, Number and Special Character
- 1D Bar Code – EAN8, EAN13, UPC A, UPC E, CODE 128, CODE39, CODE93, 2/5 interleaved, Pharma Code
- 2D Bar code – DM, DM-GS1, QR, QR-GS1, PDF Code, Dot Code, Maxi Code
- Present Absent, Object Detection, Color Detection
- Image Matching

#### Reading Capability in Single Image

- Multiline OCR (Auto Searching)
- Multiple 1D Barcode up to 200 (Auto Searching)
- Multiple 2D Barcode up to 200 (Auto Searching)
- Batch Code inspection



Thoughts brought to reality by CONDOT®

**CONDOT**  
SYSTEMS PVT. LTD.

### Inspection

- Grading for 1D Barcode – ISO 15416 (Optional)
- Grading for 2D Barcode - ISO 15415 (Optional)
- OCR (For different Fonts along with AI based custom font/letter teaching)
- OCV (For print quality inspection)
- Image Template Matching

### Verification

- Static validation (Default)
- Sequence Validation (On Demand)
- Skip Sequence Validation (On Demand)
- Duplicate Validation (On Demand)
- Database Validation (On Demand)

### Control/Signal

- Multiple Camera Support
- Sensor for Capture Image
- Encoder (Optional)
- Single Track Rejection
- Multi Track Rejection
- Accepted Signal
- Rejection Signal
- Consecutive Rejection
- Bundle/Recipe/  
Cycle Control

### Report/Output

- Audit Trail
- Alarm Trail
- Job Summary
- Job Details (Production Data in CSV)
- TCP/IP (Support Both Server/Client)

### Hardware Info

Camera	Lens	AOI	Frame/Sec
1.3 MPGS	8mm/6MP	60 X 40	30
2.3 MPGS	8mm/5MP	100 X 75	30
3.2 MPGS	8mm/6MP	140 X 100	30
5.0 MPGS	8mm/5MP	200 X 150	30
12 MPRS	8mm/6MP	300 X 200	15
20 MPRS	12mm/12MP	500 X 375	15

Note: AOI (Area of Interest) depend on image quality and Image pixel.

### Light : Light will select based on application

- Area Light : Polarized (Size: 60 x 40)
- Area Light : Polarized & Defuser (Size: 60 x 40)
- Bar Light : Polarized (Size: 150 x 30 & 300 x 30)
- Bar Light : Polarized and Defuser (Size: 150 x 30 and 300 x 30)

### Controller

- OS: Windows 10 support
- Processor i5/i7
- RAM 8 GB
- GiGE LAN 1 Port
- USB 3.0 1 Port

### Proven Installations and Applications

- Print & Verification on multitrack Blister machine
- Print & Verification on secondary packaging
- Pharma Code Verification On-Line and Off-Line
- Multiple Barcode Scanning - Shipper/Case Aggregation in Pharma and liquor industry
- Read & Print and Read - Battery
- Labeling Machine & Packing Conveyor - Inspect Pharma Code/GS1-2D/OCR
- Flexo Machine - Barcoding lottery ticket
- Re-Winders - QR code Inspection (Moving Speed 100 M/min and 1000 scan/min)
- Carton Pasting Machine - Inner Side Loyalty Barcode Code Reading (moving Speed 300 M/min and 1500 Scan/min)
- Ampoule Counting
- Narrow Web / Label Presses
- Image Comparison

### Other

- Speed: Standard 300 scan/Min (It will vary with application)
- User Management: As per 21 CFR and industry standard
- Unlimited job and font
- Customize front teaching
- Remote Control Support

### Compliance

- 21CFR
- Certified CE
- IP rating 30 (Only Camera)

### USP of our System

- Graphical User Interface
- Easy to Operate

### Convincing Highlights

- Multiple tools available in single system