INSIGNUM 3000 Label

ASYS GROUP

INSIGNUM label Marking Systems



Group INSIGNUM

worldwide more than 6000 installed
Systems & ERP/MES- Connections

LASER 20 YEARS KNOW-HOW



Scanning System(s)

Label System(s)

label Marking System(s)

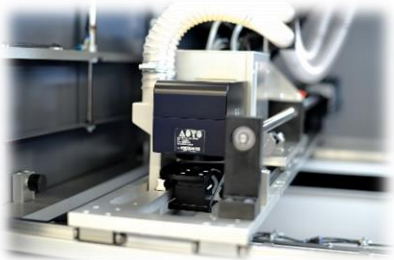
INSIGNUM 3000 Label – Specification

Dimensions

- Length: 830 mm
- Width: 1470 mm
- Height: 1480 mm
- PCB width: 460 mm
- PCB length: 508 mm
- Component clearance: 40 mm
- Marking-area: 460 mm × 460 mm
- Module-size: > 7,5 mil (600 dpi)
- Label-size: > 10 × 10 mm
- Repeatability: +/- 0,25 mm @ 3 Sigma
- Printer: 300 dpi; 600 dpi
- Cycle-time: 4,8 sec.*

***** From Label to label inclusive printing, scanning and alignment



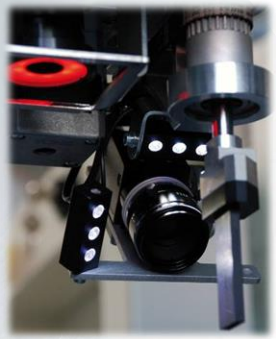




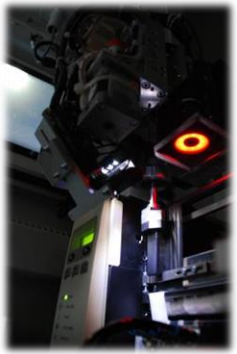
- Formato PCB di grandi dimensioni
- Soluzioni economicamente vantaggiose
- Ideale per un'isola di marcatura
- Poco spazio occupato
- Quasi esente da manutenzione

- Large PCB-format
- Cost-efficient solutions
- Ideal for an marking island
- Smallest Footprint
- Almost maintenance free

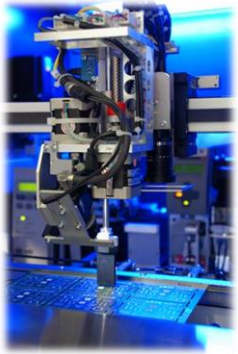
View of the INSIGNUM 3000 label



Camera-alignment (optional)
Label-alignment in 0,1° steps and X/Y correction
Repeatability ± 0,25 mm @ 3Sigma



One camera, two functions
1. Code-verification: Immediatly after printing
2. Label-alignment : During movement



Label-placement
Z-axis movement by stepper-motor, 40 mm stroke

Tempo di ciclo

Trasporto:	6,0 sec.
Unità flip esterna:	~ 10,0 sec. (gestione del turno completa)
Stampa, posizionamento:	4,8 sec.
Riconoscimento dei fiducial:	3 sec. (due fiduciali)

Caratteristiche e opzioni
Seconda stampante (opzionale)
Telecamera per fiducial (opzionale)
Asse Z (opzione)
Ingombro minimo
Sostituzione rapida del PCB
Versione XL: Per tavole fino a 610 mm di lunghezza (opzionale)
Stampante Zebra Xi 4, 300 dpi di serie

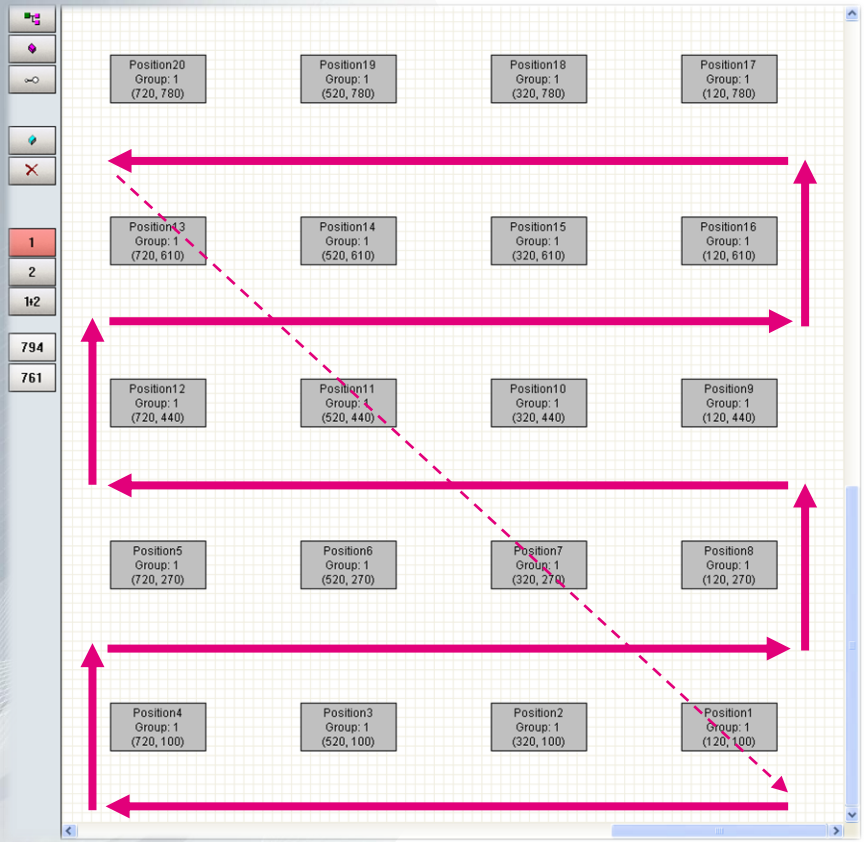
Cycle-time

Transport:	6,0 sec.
External flip-unit:	~ 10,0 sec. (complete turn-handling)
Printing, placement:	4,8 sec.
Fiducial-recognition:	3 sec. (two fiducials)

Features and options
Second printer (option)
Fiducial-camera (option)
Z-axis (option)
Smallest footprint
Fast PCB-exchange
XL Version: Fo up to 610 mm board length (option)
Zebra Printer Xi 4, 300 dpi as standard



Application head
Rotation 360° with 0,1° steps



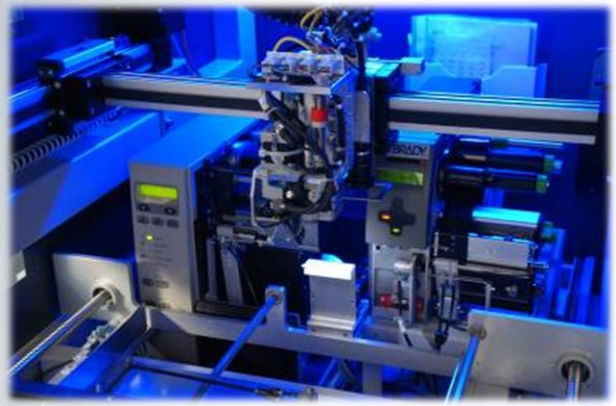
Tempo di ciclo:
lavoro ottimizzato ed efficiente

Cycle-time
Efficient workflow

PCB Multiplato con 20 quadrotti
Dopo aver elaborato l'ultima posizione, l'unità label torna indietro alla prima posizione e attende lì fino all'arrivo del PCB successivo.Se sono richiesti fiducial, l'unità label rimane al primo fiducial..

Cut out of a PCB with 20 positions.
After processing the last position the label-unit moves back to the first position and waits there until the next PCB arrives. If fiducials are required the label-unit stays at the first fiducial.

View of the INSIGNUM 3000 label



Side-clamping

Cilindro pneumatico per bloccaggio laterale

Pneumatic cylinder for side-clamping.



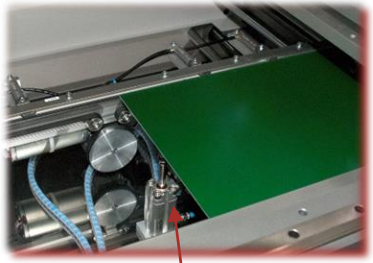
Formato etichetta
- massimo (L × P) 40 × 90 mm
- min. 10 × 10 mm (nastro per etichette min. 30 mm)

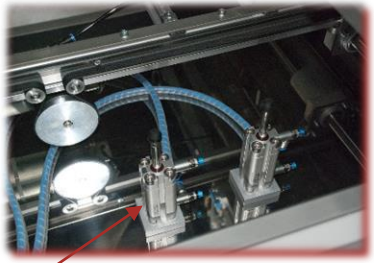
Tipi di codice
- Interlacciato 2/5
- Codice 128 A, B, C
- PDF417
- Data Matrix
- Codice 93
- Codice 39
- Altri codici su richiesta

Label-format
- max. (L × B) 40 × 90 mm
- min. 10 × 10 mm (min. Label-tape 30 mm)

Code Types
- Interleaved 2/5
- Code 128 A, B, C
- PDF 417
- Data Matrix
- Code 93
- Code 39
- (Other codes on request)

PCB-Support





Cilindro pneumatico con piedini magnetici

Pneumatic cylinder with magnetic feet

INSIGNUM 3000 Label – Label Printer Zebra 110 Xi 4

Stampante di etichette:
- Zebra 110Xi4

Testina di stampa:
- Testa di trasferimento termico
- Risoluzione 300 dpi
  (12 punti/mm, 1024 punti/riga)
- 600 dpi come opzione

Velocità di stampa:
- da 25–75 mm/s a passi di 25 mm

Formati di stampa:
- Caratteri bitmap e codici a barre: 0° / 90° / 180°
- Caratteri vettoriali: 0° / 90° / 180°

Caratteri:
- Arial, Corriere
- Altri caratteri su richiesta

Dimensione del font:
- altezza minima 0,9 mm

Stile carattere:
- Su richiesta

Label Printer:
- Zebra 110 Xi 4

Printhead:
- Thermo-Transfer-head
- Resolution 300 dpi
  (12 dots/mm, 1024 dots/row)
- 600 dpi as an option

Print-speed:
- from 25–75 mm/s in 25 mm steps

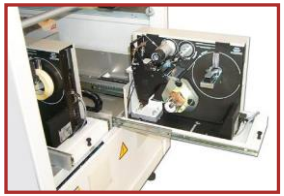
Printformats:
- Bitmapfonts and Barcodes: 0° / 90° / 180°
- Vectorfonts: 0° / 90° / 180°

Fonts:
- Arial, Courier
- Other fonts on request

Font-size:
- min 0,9 mm height

Font-style:
- On request





- Maneggevole
- Cambio rapido delle etichette
- Assistenza Semplice

- Easy handling
- Fast label-exchange
- Service-friendly



BDS-I / BST-I / BFS-I controllati dal INSIGNUM 3000 label

BDS-I / BST-I / BFS-I controlled from INSIGNUM 3000 label



BDS-I



BFS-I



BST-I

label Application Services

Ottimizzazione del processo ed etichettatura dei campioni

Vuoi sapere se il tuo materiale è adatto alla marcatura label?

Oppure stai cercando le migliori impostazioni del label?

Inviaci il tuo materiale per un test applicativo gratuito.

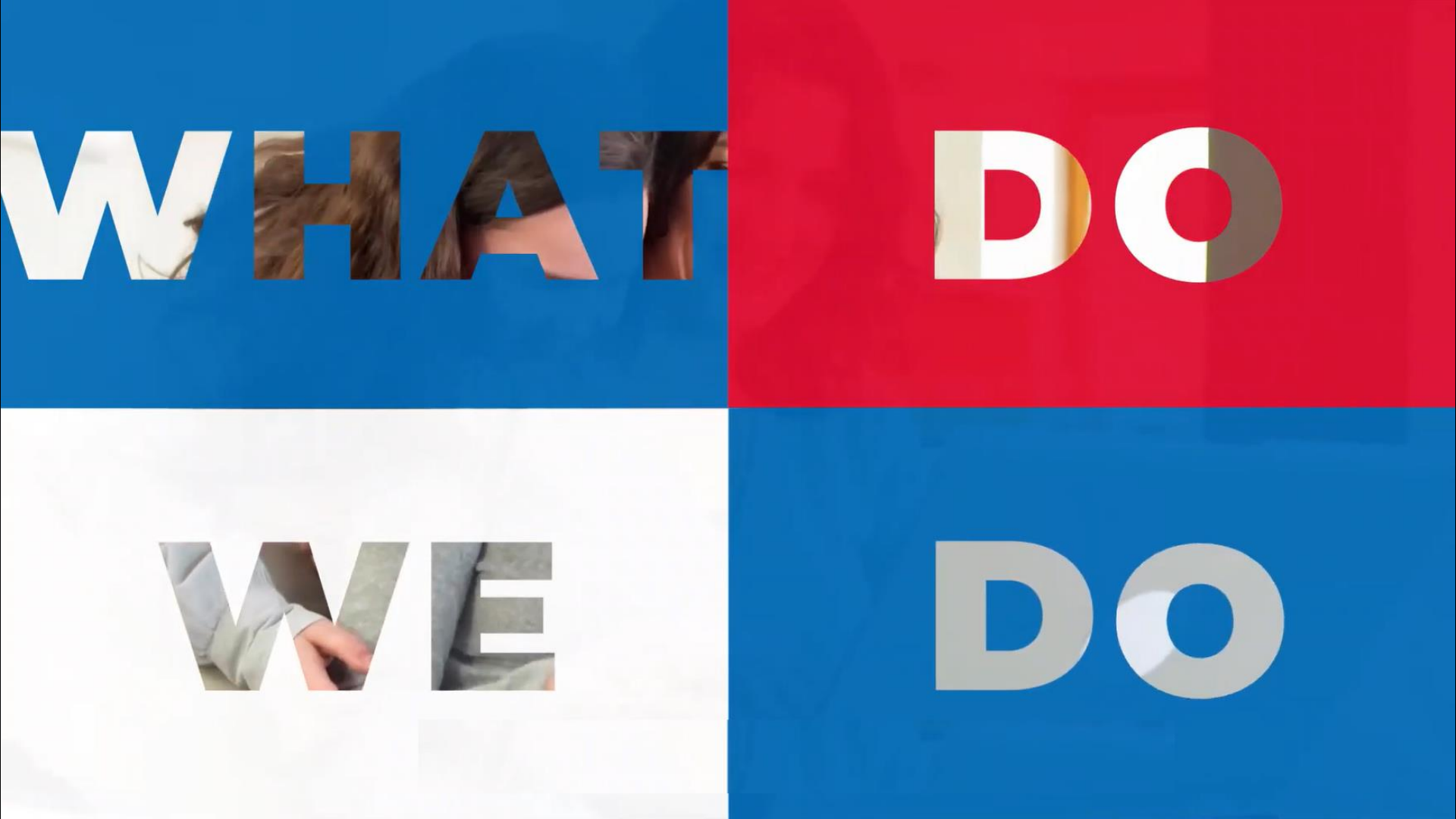


Process Optimization and Sample Labeling

You want to know if your material is suitable for label marking?

Or are you looking for the best label settings?

Send us your material for a free application test.


WHAT
DO
WE
DO