



To remove out of date components such translators, DCU's and PC, CEMRA propose you a complete upgrade for your Komax ARA machines

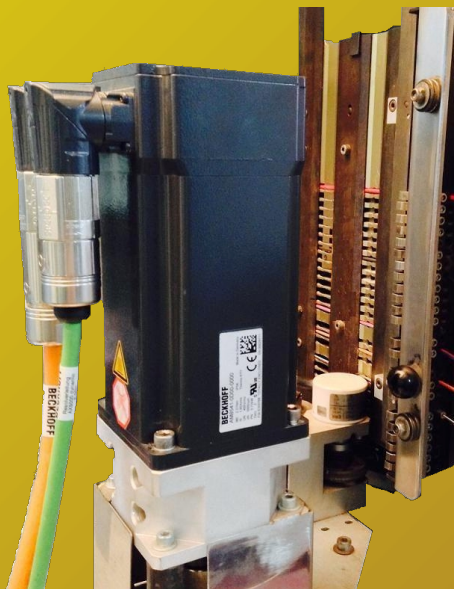
1) Translators removal



- Old technology
- Out of date hardware components
- Loss of reliability, heat sensitivity
- Specific solution



- High technology
- Higher move precision
- High reliability
- Operating temperature : 0-50° C
- Standard solution

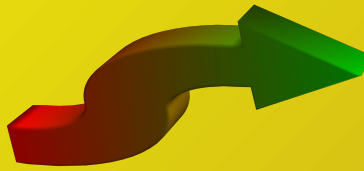


Stepper motor axis replacement by brushless motor axis is done by keeping as much as possible the current mechanical interface as it is





- Old technology, out of date hw components
- Loss of reliability
- Specific solution



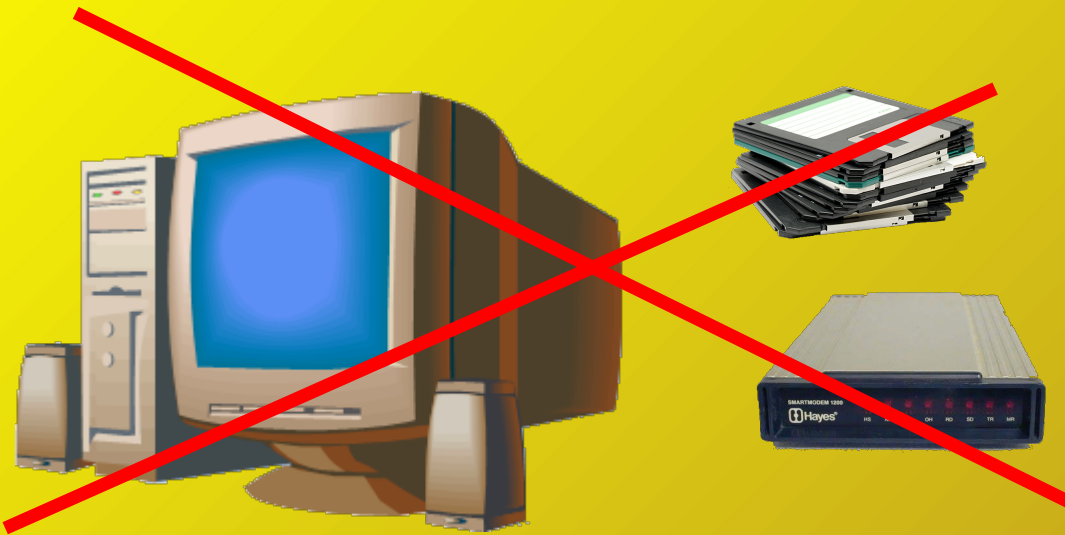
- Latest technology
- High reliability
- Standard solution (Beckhoff)



The replacement of the stations bus (data, power supply) is done by staying close to the current and original implementation.



The DCU's removal keeps the stations modularity and machine flexibility unchanged.



- *Old & obsoletes components, difficult to exchange (floppy disk drive, hard disk...)*
- *QNX operating system : proprietary, not widely used in industry*
- *Poor backup & recovery medias and tools*
- *No remote support available*



- *Brand latest computer, running under Windows7 (64 bits)*
- *Many backup & recovery medias and tools: USB key, network disk, CD burn...*
- *Easy remote support (needs internet connection)*
- *Standards composants*
- *Possibility to connect to any factory network*

Terminal Definition

Reference: FASTON 1

Supplier: fournisseur faston

Comments: comment. fast

Profile: faston

Stripping length: 5.0 mm

Nb defined terminals: 2

Linked types

Applicator type: TYPE FASTON Cap type: TYPE CAPU1

Links

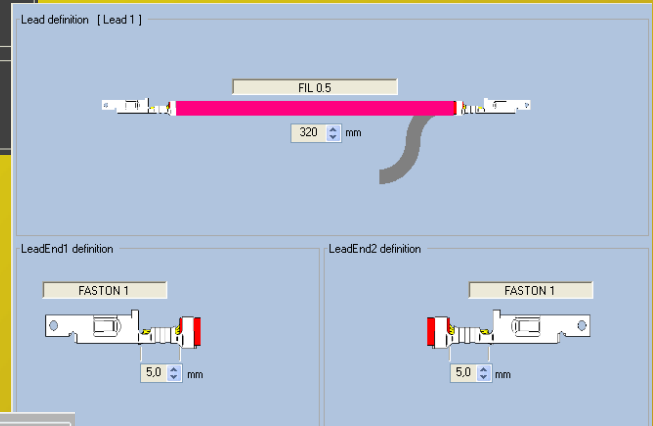
Crimp reference: crimp1 [2]

Cross-section wire 1: 0.5 Nominal height: 1.30 mm

Cross-section wire 2: Nominal force: 70 daN

New user interface

- user-friendly, intuitive, visual
- simplified access & use



Station chargement:

Etape module: StandBy

Etape process: Standby

ErrNum: 0

Commandes

Automatic mode: Automatique Pas-à-pas

Cycle Charge Fil Reset

Sélecteur

Voie en cours: 0

Voie demandée: 1 Modifier

Offset init. (mm): 75.000 Modifier

Déroulement fil

Lg inject (mm): 0.000 Mesurée: 0.000

Lg boucle (mm): 0.000 Mesurée: 0.000

Rapport codeur: 0.000

Vitesse (mm/s): 1000

Glissement (mm): Valeur: 0.000 Tolérance: 15.000 Modifier

Contrôle lg fil on

Actionneurs

<input checked="" type="checkbox"/> Arrêt ouvre pince fixe	<input checked="" type="checkbox"/> Aspiration déchets
<input checked="" type="checkbox"/> Coupe fil	<input checked="" type="checkbox"/> Descente pinces
<input checked="" type="checkbox"/> Ferme brde fil	<input checked="" type="checkbox"/> Ferme dérouleur P1
<input checked="" type="checkbox"/> Ferme dérouleur P2	<input checked="" type="checkbox"/> Ferme dérouleur P3
<input checked="" type="checkbox"/> Ferme guide-fil	<input checked="" type="checkbox"/> Ferme pince fixe
<input checked="" type="checkbox"/> Ferme pince rotative	<input checked="" type="checkbox"/> Ferme recoupe-fil
<input checked="" type="checkbox"/> Rotation pince	

Capturs

<input checked="" type="checkbox"/> Dérouleur ouvert	<input checked="" type="checkbox"/> Guide-fil ouvert
<input checked="" type="checkbox"/> Coupe en action	<input checked="" type="checkbox"/> Pince fixe ouverte
<input checked="" type="checkbox"/> Pince rotat. pos. charge	<input checked="" type="checkbox"/> Pince rotat. pos. saisie
<input checked="" type="checkbox"/> Pincettes basses	<input checked="" type="checkbox"/> Pincettes hautes
<input checked="" type="checkbox"/> Recoupe-fil ouvert	

New stations interface

- Manual outputs control, inputs states visualizations
- Step-by-step mode
- Troubleshoot helper

New tools & functionalities

- Improved bad crimp detection
- New tools helping to define & adjust bad crimp detection parameters, crimp results monitoring...

