



CERTIFIED
HYGIENIC



REDUCED
CLEANING TIME



REDUCED
WATER USAGE



EASE OF
INSTALLATION

CIP UNIT – PLUG & PLAY CONVEYOR BELT CLEANING

AUTOMATIZED CLEANING

- TESTED BY FORCE TECHNOLOGY

READ TEST
RESULT BY FORCE
TECHNOLOGY



Easy, effective and environmentally friendly

At NGI we've been on the forefront of hygienic design for more than a decade. Now we're glad to introduce our CIP Unit - a Plug & Play unit that makes cleaning both easier, more effective and more environmentally friendly.

The CIP Unit is a separate cleaning device that works independent of the conveyor belt, with a spraybar on the inside and one on the outside.

WITH THE CIP UNIT YOU

- ✓ **get a Plug & Play-solution** that is easy to install
- ✓ **increase your hygiene level**, prevent contamination and microbial growth
- ✓ **increase your production time**, by reducing cleaning time and manual labor
- ✓ **reduce the water, chemicals and energy consumption**

Simply put: With the CIP Unit installed, you get all the advantages of high class, automatized cleaning.



WASH DOWN TEST

The washing efficiency of Our CIP Unit has been tested at Center for Hygienic Design (CHD) at FORCE Technology.

CHD IS THE ONLY INSTITUTION IN DENMARK PERFORMING EHEDG CERTIFICATION OF PROCESS EQUIPMENT.

HOW WAS THE CIP UNIT TESTED AT FORCE TECHNOLOGY?

To test the CIP Unit, FORCE Technology applied ketchup and in one case, ketchup and uranine to a conveyor belt. The soil was then left to dry overnight at room temperature.

The CIP Unit was then put into use in 5 minutes – with 1-minute intervals allowing FORCE Technology to inspect the cleaning. All in all, FORCE Technology tested the CIP Unit three times, at all times, the CIP Unit used only warm water to clean. No chemicals were used in the test.

As shown in table 1, the results were quite clear. And so is the conclusion:



“It is our conclusion that the CIP Unit provides an appropriate and highly efficient cleaning method for conveyor belts. Using a mild washing procedure to clean a rather persistent soil - we can conclude, based on the results shown, that the CIP Unit is a highly efficient tool for cleaning the specific belt tested.”

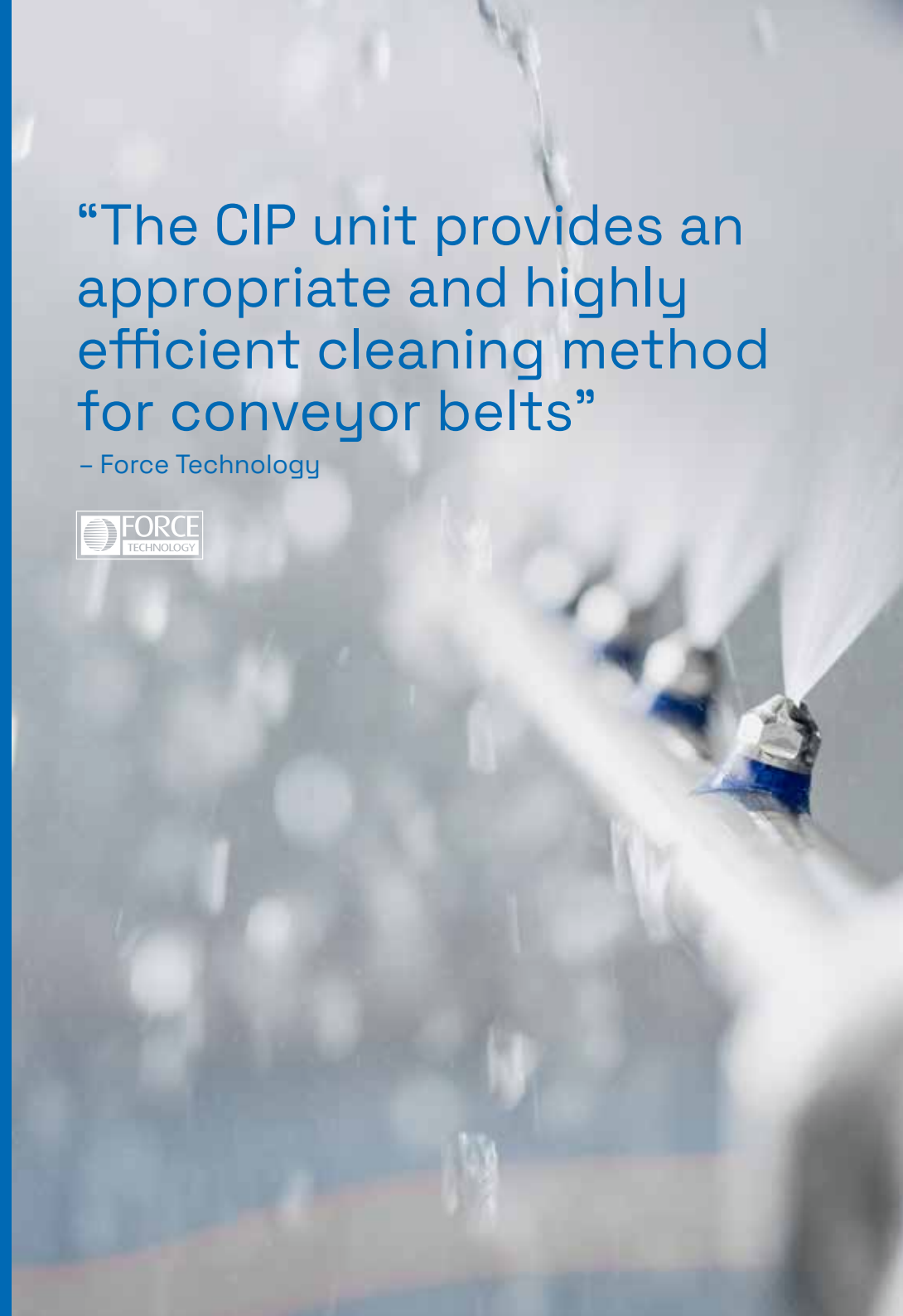
TABLE 1; TEST RESULTS

Soil / Cleaning times	1 min.	2 min.	3 min.	4 min.	5 min.
Ketchup	C	C	A/B	A	A
Ketchup	C	B	A/B	A	A
Ketchup / uranine	C	B/C	B	A	A

- A. No residues found on any surface or hinge as well as the back side of the conveyor belt
- B. Few spots of soil found primarily in hinges, the outer surfaces are clean
- C. Visible soil in hinges and edges of slats and inbetween the slats

“The CIP unit provides an appropriate and highly efficient cleaning method for conveyor belts”

– Force Technology





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Want to hear more? Visit our website:

www.ngi-global.com/hygienic-cip-unit



The ease of installation on differently designed conveyors



Enhanced food safety



A complete hygienic design minimizing risks of contamination



Reduce energy consumption, reduce water and cleaning detergents.