Shop Floor System
for Microsoft Dynamics NAV*

*Microsoft Dynamics NAV (Navision)

A groundbreaking system for planning and reporting in production.

NAVEKSA

The NAVEKSA Shop Floor System is used for planning, sequencing and execution of production orders in Navision. The system consists of 2 integrated parts which work together – a planning part and an execution part.
The system enables efficient management and execution of running and waiting orders at the different work centers on the shop floor, but also planning and sequencing of orders which shall be executed later on.

In the planning part the planner is sequencing and prioritizing the order execution under the observance of available capacity and materials.
The changes made are immediately updated on the displays at the shop floor so the employees never are in doubt what to work on next time. In the execution part of the system the orders are shown per process center as running, waiting and arriving with attached electronical information such as drawings, process instructions and various comments.
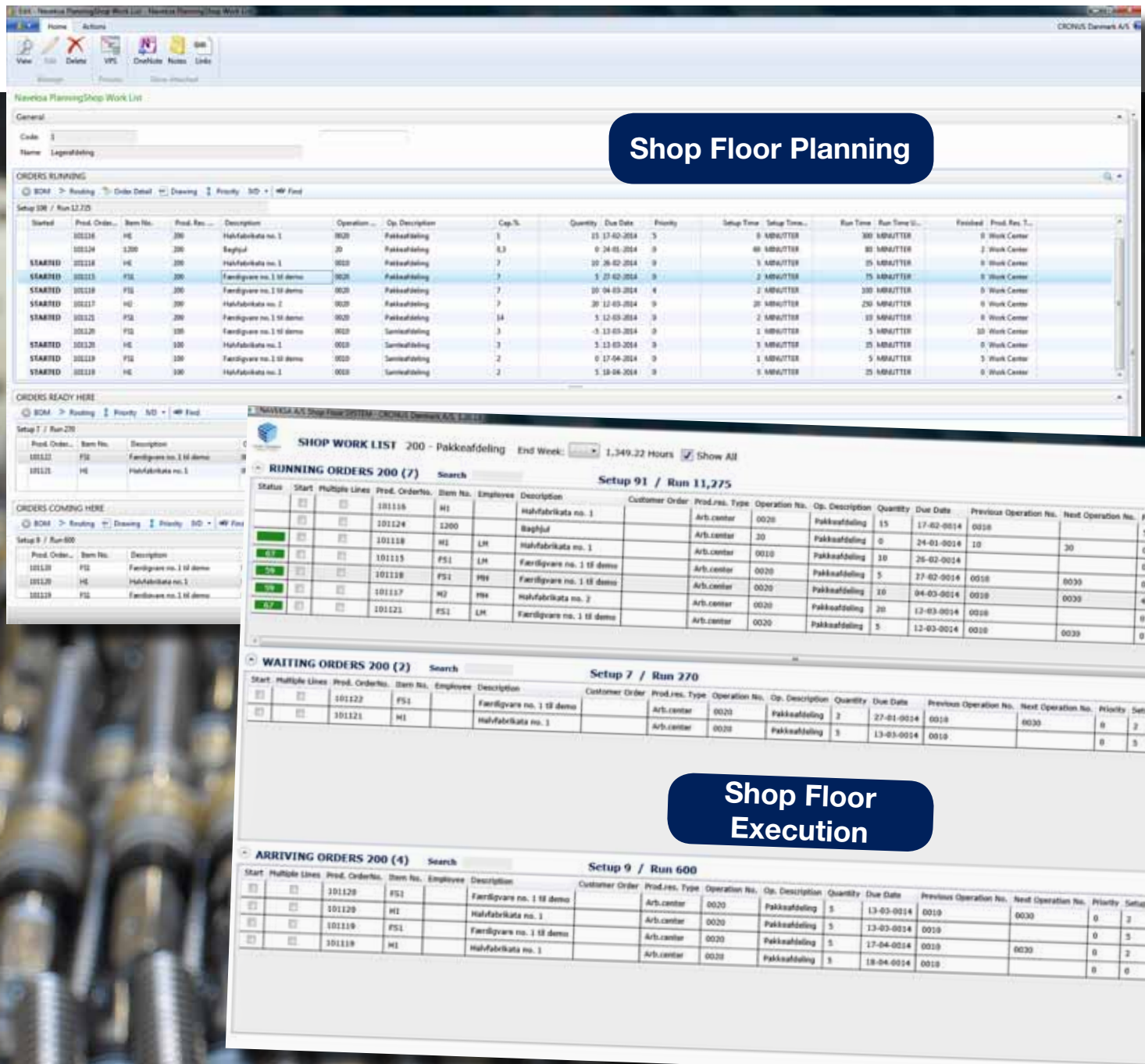
A GROUNDBREAKING SYSTEM FOR PLANNING AND REPORTING IN PRODUCTION!

The employee can start and end jobs during which time is collected.

All necessary information for instruction and execution is delivered on the screen, and similar data collection is done in a paper-less way.

On the shop floor the dialogue can take place on touch screens so the employee is free of mouse and keyboard requirements.

The normal environment would have separate systems for planners, lots of shop papers and manual planning boards, foreman driven execution, separate data collection systems and more.

In Naveksa Shop Floor system all processes can now be operated intuitively and online in two simple and uncluttered interactive NAVEKSA screens, thus saving a lot of administrative costs.

Shop Floor Planning
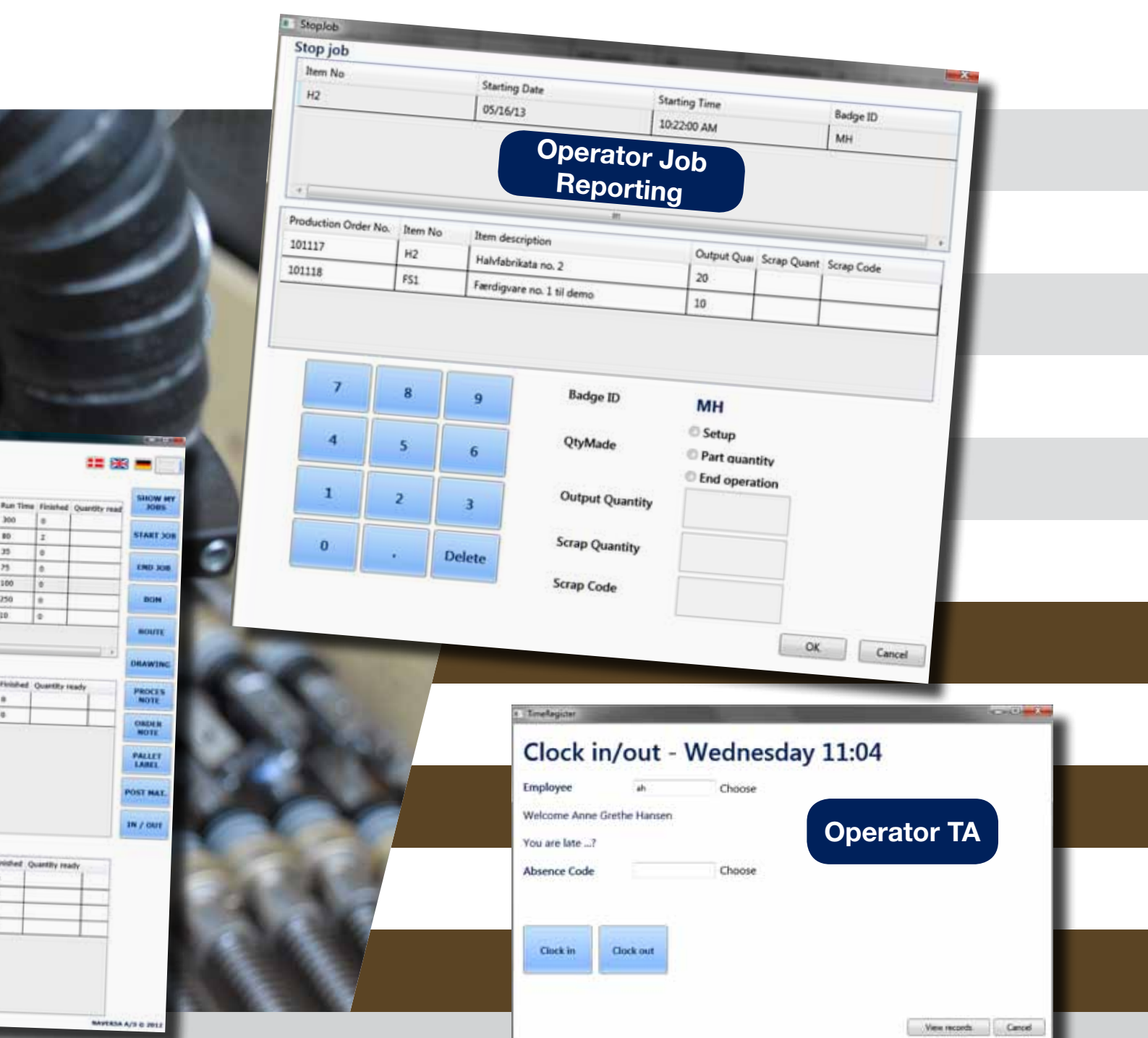
Shop Floor Execution

HOW IT WORKS

The Shop Floor System is built around a screen showing prioritized order stacks per work center, production resource or factory total. These order stacks are checked for available capacity planned and also prioritized on the Planning Shop Work screen in advance. The Order stacks can be shown on the shop floor per resource or work center and are subdivided into:

► Running order operations

► Waiting order operations

► Arriving order operations

The production planner has his own tool – The Shop Floor Planning screen where he, at all times, can change the order execution sequence in the order stacks by assigning priorities, and taking available capacity into consideration in real-time. The planner's changes are immediately displayed on the Shop Floor screens, and from the order stack the operator can now perform all relevant functions; for example:

Choose and order/operation, see instructions, drawing, customer order info, reporting job start / end job / stop operation, print labels, reporting QA info and more.

Operator Job Reporting

Stop job

Item No	Starting Date	Starting Time	Badge ID
H2	05/16/13	10:22:00 AM	MH

Production Order No.	Item No	Item description	Output Quai	Scrap Quant	Scrap Code
101117	H2	Halvfabrikata no. 2			
101118	FS1	Færdigvare no. 1 til demo	20		
			10		

7	8	9
4	5	6
1	2	3
0	.	Delete

Badge ID — MH

QtyMade
- ○ Setup
- ○ Part quantity
- ○ End operation

Output Quantity

Scrap Quantity

Scrap Code

OK   Cancel

Operator TA

Clock in/out - Wednesday 11:04

Employee — ah — Choose

Welcome Anne Grethe Hansen

You are late ...?

Absence Code — Choose

Clock in   Clock out

View records   Cancel

THE CONCEPT BEHIND THE SYSTEM

The system is based on simple principles about queue-/bottleneck- and sequence management for man, machines, production lines and subcontractors.

The system is built in Navision* and for Navision as areal-time tool, and thus respects all standard Navision functions. Therefore otherexpensive and delaying interfaces are avoided.

The system is very flexible and can be tailored to the individual use in a company by using a number of setup parameters, and thus specific programming modifications can be minimized or totally avoided.

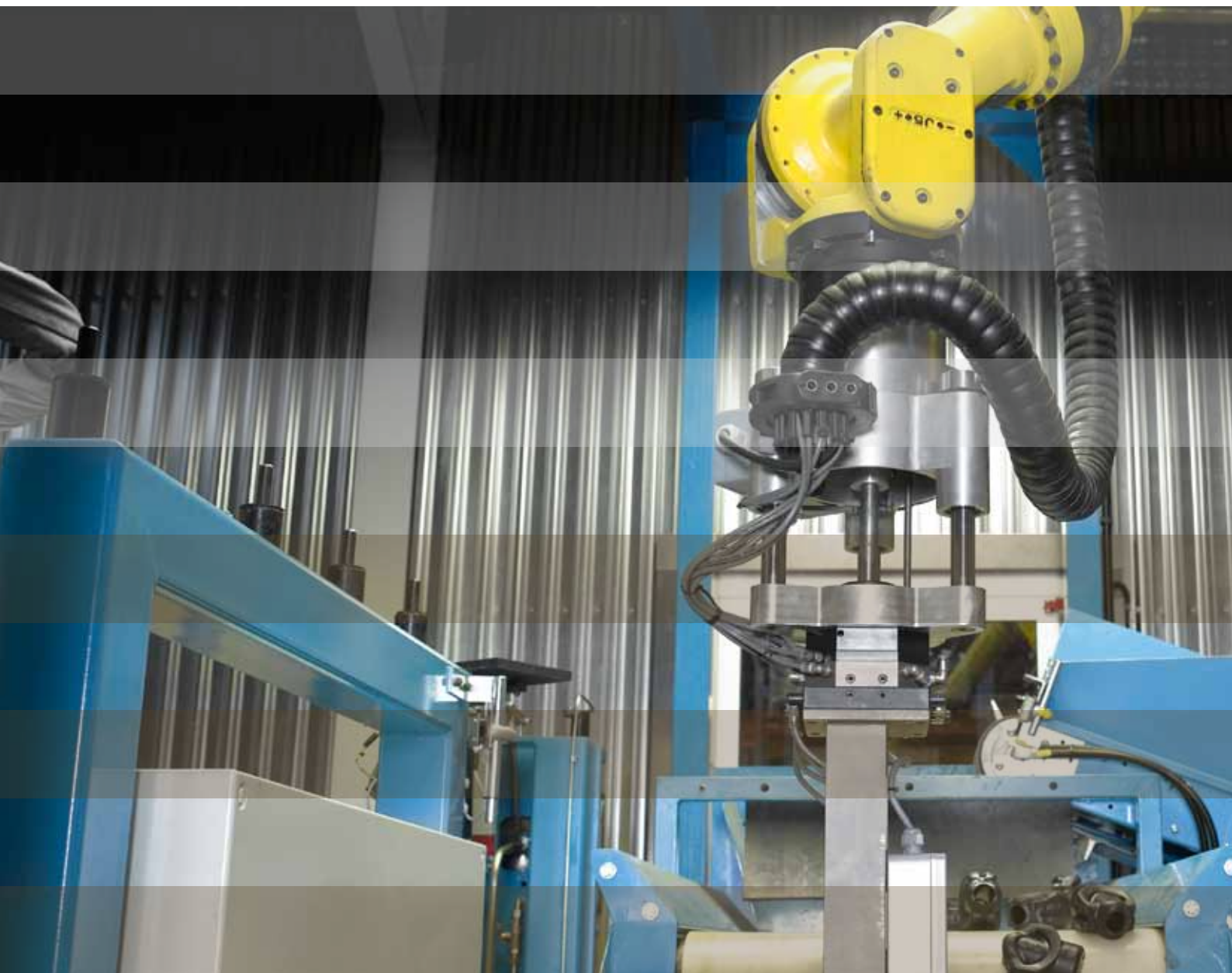*Navision (Microsoft Dynamics NAV)

OTHER KEY FEATURES:

- ▶ An intuitive, easy to understand and efficient solution
- ▶ The system can be delivered to Navision version 5.00 and Dynamics NAV 2009 and forward in Danish, English and German.
- ▶ The system does not change existing Navision applications.
- ▶ No data transfers between different systems.
- ▶ The system uses touch screen technology if wanted.

- ▶ The programmed source code is delivered with the product and is open for a customer's own modifications to be applied.
- ▶ The system is easy to integrate into other Microsoft products – InfoPath, Excel etc. for the production of various electronic reporting forms – QA approval, serial-number info and more.
- ▶ The system is delivered with detailed system- and user-documentation.

IN THIS WAY!

Naveksa Shop Floor System eases everyday life in the company, because something which is complex, has been simplified and made more effective, and as a result of this easier to handle for all people involved in planning and execution.

THE WAY FORWARD?

*Call or send a mail on
info@naveksa.dk to hear more.
More details on www.naveksa.dk.*

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