



LEADING IN PRODUCTION EFFICIENCY

# AUTOMATED HOOD OPENER



# OPTIMAL HANDLING – THANKS TO THE HOOD OPENER



» *The hood opener lifts the hood automatically*

## Initial situation

During seam sealing, the trunk and hood must be opened in order to optimally reach all the seams. This step is often performed manually by workers. This one-sided strain can cause physical discomfort among employees and lead to an increase in medical leave.

## The challenge

Dürr developed a solution with a hood opener that automates the lifting of the hood and is, at the same time, easy to operate. Special emphasis was placed on ensuring that neither quality nor production space would be restricted. Moreover, cycle time losses were avoided. It was particularly important to meet workplace safety requirements.

## The solution

The method developed by Dürr meets all these requirements. The hood opener combines the advantages of a scissors lift with those of a block and tackle.

First, by means of reading the skid's barcode, the car body type is identified. Then, the scissors lift moves to a pre-determined position and a light sensor detects the engine hood. By means of the scissors, the hood is then raised to 80°. The operator uses equipment to secure the hood. Then, seam sealing takes place by hand. The hood opener automatically moves to the home position and awaits the next car body.

## Your benefits

- » Improved ergonomics
- » Reduced employee workloads
- » Decreased medical leave
- » Easy operation
- » Cost savings
- » Cycle time optimization
- » Independent of car body type

» *Automated process:  
Hood opener with car body*



## Your contact

### Michael Lerner, Plant Services

Dürr Systems GmbH  
Osterholzer Heerstraße 125-127, 28309 Bremen  
Tel +49 421 417 8113, Fax +49 421 417 8135  
michael.lerner@durr.com