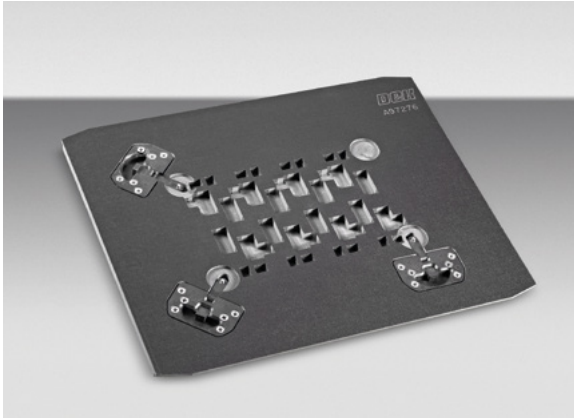


# DEK PCB pallet solutions

Electronics miniaturization driven by mobile electronics, wearables, high-density connectors and LED strips require printing onto flexible PCBs, small boards and odd-shaped substrates. These applications need fixed pallets for robust transport through the SMT process.

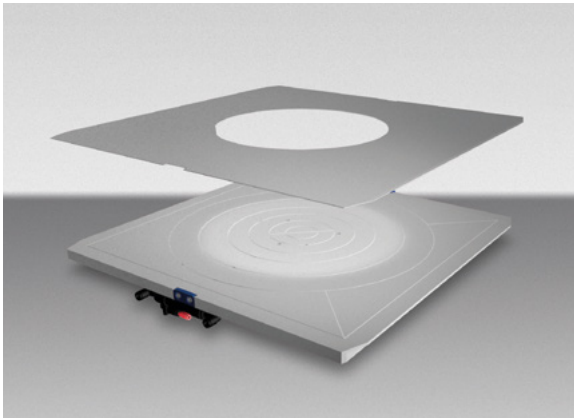


## DEK PCB pallets

Transport pallets, flex pallets, and singulation pallets

Pallets facilitate the transport and printing of challenging substrates which may be too small, flexible or odd-shaped for standard printing processes. ASM can custom design and manufacture pallets in varying quantities, depending on specific requirements.

Pallets are typically made of Durastone to withstand high oven temperatures. Other materials are available on request.



## DEK Wafer pallet

Standard wafer pallet – A lightweight (approx. 4 kg) wafer pallet that uses vacuum grooves to secure and hold the wafer.

Precision wafer pallet – A heavy pallet option that requires an additional machine transport rail upgrade. This pallet has a high flatness specification and utilizes a porous material to support the wafer and maintain vacuum.

Both the standard and precision pallets utilize a wafer shim to contain the wafer. Wafer sizes of 100 mm to 300 mm with thicknesses of 150 µm and above can be accommodated. Both systems are fitted with wafer ejector pins to release the wafer from the pallet, allowing a wafer handler to process the wafer before and after the print. A wafer shield option, which helps protect wafers at the interface between the wafer and the pallet, can be incorporated for both pallet types.

### Key benefits:

- Consistent flatness, stable printing, process control
- Pallet size: 400 mm x 400 mm
- Wafer diameters: 4/5/6/8/12 inches (100 mm to 300 mm)
- Wafer thickness: 150 µm to 600 µm
- The wafer is vacuum-secured during transport; automatic and manual operation
- Custom solutions available
- Data formats: Gerber, DXF, DWG
- Material: Durastone, aluminum and sintered stainless steel.



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