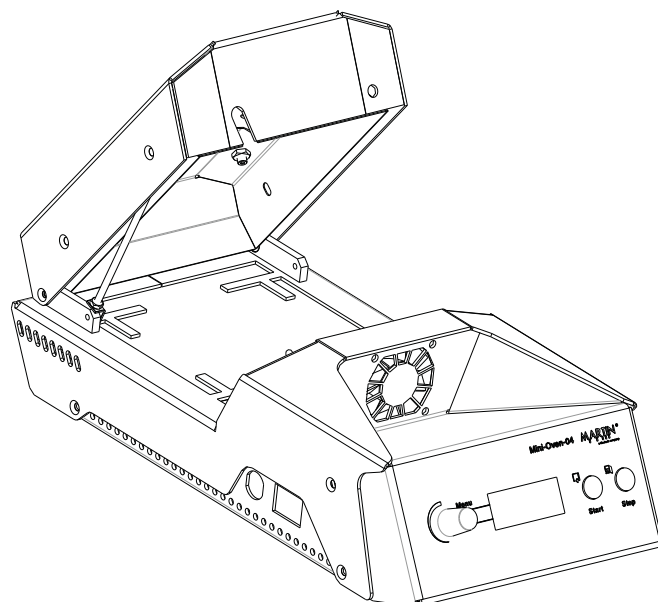


**MINIOVEN-04 S/N**


**HB00.0033 MINIOVEN-04 S**  
**Basic Unit for Reballing and QFN Prebumping**  
**incl. Toolset**



HB00.0033

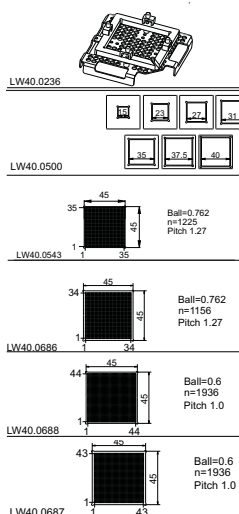
**HB00.0034 MINIOVEN-04 N**  
**Basic Unit f. Reballing and QFN Prebumping**  
**with process gas inlet incl. Toolset**



HB00.0034

**Application Sets**
**LW50.9001 Reball-04 Set eco Standard**

- LW40.0236 Reballing Fixture BGA 45\*45mm for MO-04  
 4 downholder clips
- LW40.0500 Reballing Frame Set BGA  
 for all (98%) types of BGA, 7 pieces
- LW40.0543 Reballing-Mask BGA 45\*45mm  
 n=1225 / Pitch=1,27 / Grid=35\*35 / Ball=0,762
- LW40.0686 Reballing-Mask BGA 45\*45mm  
 n=1156 / Pitch=1,27 / Grid=34\*34 / Ball=0,762
- LW40.0688 Reballing Mask BGA 45\*45mm  
 n=1936 / pitch=1,00 / grid=44\*44 / ball=0,6
- LW40.0687 Reballing Mask BGA 45\*45mm  
 n=1849 / pitch=1,00 / grid=43\*43 / ball=0,6



MINIOVEN-04 S/N

Application Sets

LW50.9002    **Reball 04 Set PS 3**  
**(RSX, CELL Version 1 + 2)**

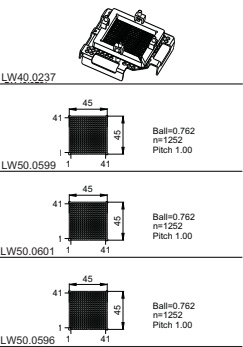
- LW40.0237

Reballing Fixture BGA 45\*45mm  
with 4 clips and support grid (to be used for PS3)
- LW50.0599

Reballing Mask BGA 45\*45mm special  
n=1252 / pitch=1,00 / grid=41\*41 / ball=0,762
- LW50.0601

Reballing Mask BGA 45\*45mm special  
n=1342 / pitch=1,00 / grid=41\*41 / ball=0,762
- LW50.0596

Reballing Mask BGA 45\*45mm special  
n=1236 / pitch=1,00 / grid=41\*41 / ball=0,65

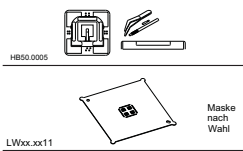


SF29.0002    **Prebump Set QFN**

- HB50.0005

Tooling and Fixture for QFN Prebumping  
printer, holder, squeegee, tweezers
- LWxx.xx11

Prebumping Mask + Frame QFN  
Type of Standard QFN Mask on request



Options

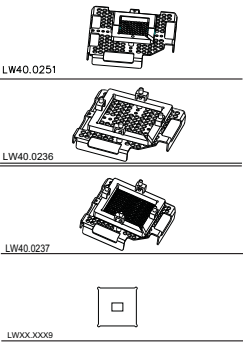
- LW40.0251

Reballing Fixture CSP 27\*27mm for MO-04  
Standard
- LW40.0236

Reballing Fixture BGA 45\*45mm for MO-04  
4 downholder clips
- LW40.0237

Reballing Fixture BGA 45\*45mm  
with 4 clips and support grid (to be used for PS3)
- LWxx.xxx9

Reballing frame CSP  
size for CSP type your choice



Consumables

- VD90.5105

Solder Balls, 50,000 pcs., lead free CSP  
Sn96,5Ag3Cu0,5 300µm (=5,2g)
- VD90.5101

Solder Balls, 50,000 pcs., lead free BGA  
Sn96,5Ag3Cu0,5 762µm (=86g)
- VD90.0230

Solder Paste print 5ccm finepitch 4 lead free  
Sn96,5Ag3Cu, ROL0, 20-38µm
- HT00.0119

Flux Creme lead free 18g  
0506 MA, no clean, RELO, with brush
- HT00.0009

Flux Pen lead free  
0405 C, no clean, RELO

