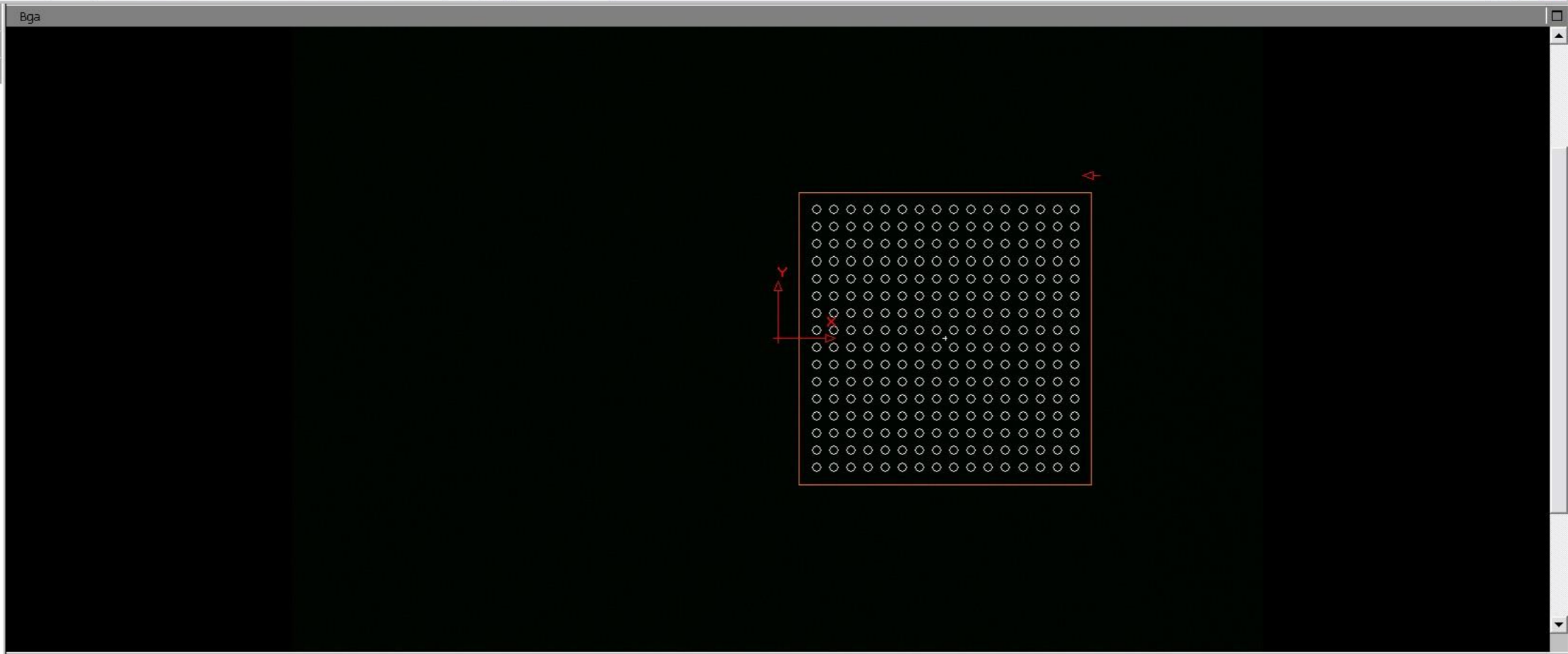


- Setup
- Calibrate
- Component
 - Load...
 - Save
 - Save as...
 - Delete...
 - ▼ Edit
 - Component Outline...
 - Ball Definition...
 - ▶ Lead 3D
 - ▼ Marking
 - Illumination...
 - Initial Conditions...
 - ▼ Marking
 - Passive Components...
 - Inspection Flow...
 - ▼ TPI
 - Passive Components...
 - Inspection Flow...
 - Alignment...
 - Mark...
 - ▶ Alignment based Surface
 - ▼ BGA 3D
 - Illumination...
 - Initial Conditions...
 - ▼ Bga
 - Parameters...
 - Acceptance Criteria...
 - ▼ BBI
 - Passive Components...
 - Inspection Flow...
 - Alignment...
 - ▶ Alignment based Surface
 - ▶ LL



Ball Definition - BGA

Ball definition	Reference	Grid data
Width: 500 micron	Corner: Top Right	No. of grids: 1
Height: 400 micron	Scan Direction: <input checked="" type="radio"/> Horizontal	Grid: grid 1
	<input type="radio"/> Vertical	Position X: 0 micron
		Position Y: 0 micron
		No. rows in grid: 16
		No. cols in grid: 16
		Row Pitch: 1000 micron
		Column Pitch: 1000 micron

Apply
Undo
Customize

Component Outline

CAD Profile

Load <Local> ... Save As...

Type

- 4 sided
- 2 sided
- irreg.
- bga**
- pga
- lead less
- mem card
- lga
- socket

Identification

Component ID 1717

Sides

Double Sided

Ball fields 1

Pin Side

Ball Side

Dimensions

Tip to Tip X 17000 micron

Tip to Tip Y 17000 micron

Body Size X 17000 micron

Body Size Y 17000 micron

Body Thickness 950 micron

Standoff 400 micron

Pad Type

Bumped

Pad Height 50 micron

Corner Definition

Corner Type Right Angled

Chamfer 12 micron

Pin1 None

Pin1 Chamfer 12 micron

Apply Close

Motion control

X1 | Y1 | Z1 | X1 Loader | TTM | X2 | X3 | X4 | Y2 | Z2

Motion

Front Rear Unit: mm Step

Home << < > >>

Step size: 1 Step

Target pos: 0 Step Move to Motion enabled

Destination

Reference Move to Transfer

Destination Center of first pocket to Y1 45784 Step

Status

Current pos in Step 0

Resolution: 4 Micron/Step

- Front Limit
- Rear Limit
- Y1 in overlap
- Y2 -Y3 in overlap

Cylinders

- X1 tray clamp Hold
- X1 tray puller Rear
- X1 tray puller Up
- X1 singulation fingers In
- TTM Up
- TTM clamps Open
- X2 tray stacker Up
- X2 tray clamp Hold
- X3 tray stacker Up

Miscellaneous

Internal m/c lamp

Blow-off pressure level in Bar: 0.9 Transfer

Tray Handling

Disable safety door

Individual control

Off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vaccum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Group control

Select	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pickup	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Status vacuum sensors

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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