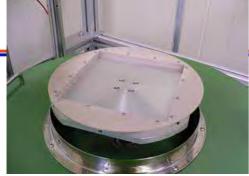
概要 Overview

プロセス

システム

その他



## AccuRez

Advanced Bead-Less coating system for 45nm mask

## Application – 45nm node Photomask Accurate Bead-Less Coating System

In Brief: AccuREZ is a resist coating system specifically designed to reduce edge bead. Resist bead can result in significant defects after the resist stripping. These defects manifest as resist residue on the edge of mask because or the significant thickness differential between the edge bead and the field resist thickness. A new design in coater systems is utilized. A localized exhaust port is placed in close proximity to mask edge and surface evacuating resist during coating processing. This results in significant reductions in bead height and width at the edge of the mask.



Fig.1 Bead(width 2mm)

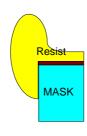


Fig 2 Bead cross section

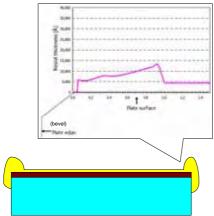


Fig.3 Existing coating system

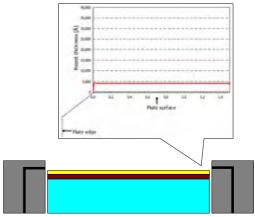


Fig.4 AccuRez coating system

## **Features and Benefits**

Feature	Benefit
Vacuum port	Removal of resist from edge resulting in no edge bead
Circle shape chuck	Reduce turbulence
High spin speed (4500rpm)	Better uniformity

