



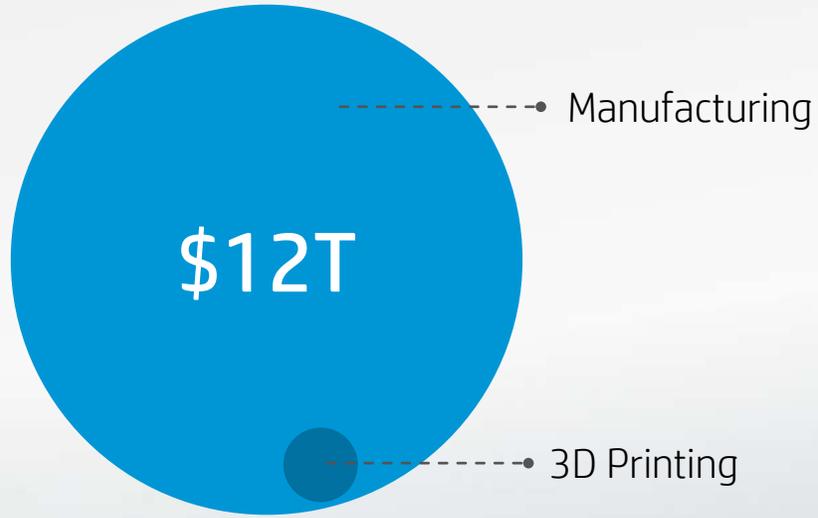
# 3D Printing y el futuro del Packaging

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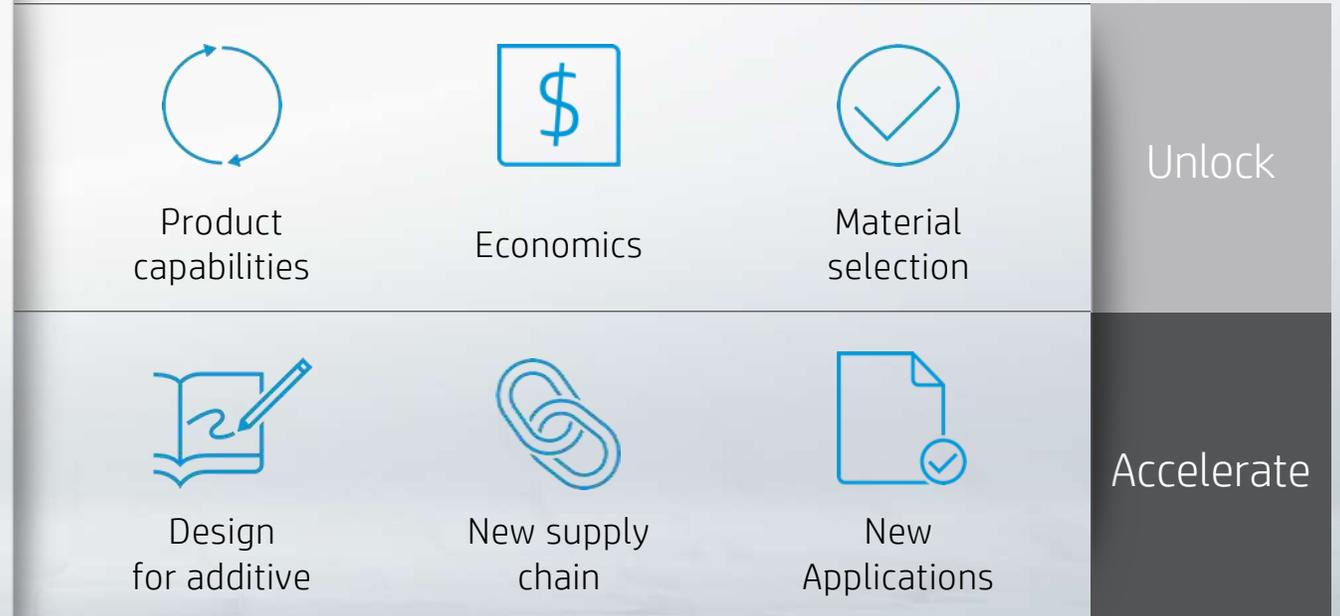
Xavier Llorens

EMEA Business Development and Application  
Engineer Manager - HP 3DP

# Six levers for disrupting the \$12T manufacturing sector



Manufacturing Sector offers great potential for 3D Printing



# Robotic Arm Grip

## Tooling application

### DIMENSIONS

X: 10.6 in / 26.9 cm

Y: 3.22 in / 8.2 cm

Z: 3.94 in / 21.5 cm

### MATERIAL

HP 3D High Reusability PA 12

### POST PROCESSING

Bead Blasting

### TOTAL COST PER PART

HP 3D MJF part: \$126

### WEIGHT REDUCTION

CNC Machined part: 1830 g.

HP 3D MJF part: 237 g.

**87% Overall weight reduction**

### DELIVERY TIME

HP 3D MJF part: 24 h.



# Robotic Arm Grip

Tooling application



# Pneumatic Grip

## Prototyping Application

### PART NAME

Pneumatic Grip

### SIZES

X: 4.49 in / 11,4 cm

Y: 1.81 in / 4,60 cm

Z: 5.08 in / 12,9 cm

### VOLUME

3.04 in<sup>3</sup> / 49,8 cm<sup>3</sup>

### WEIGHT

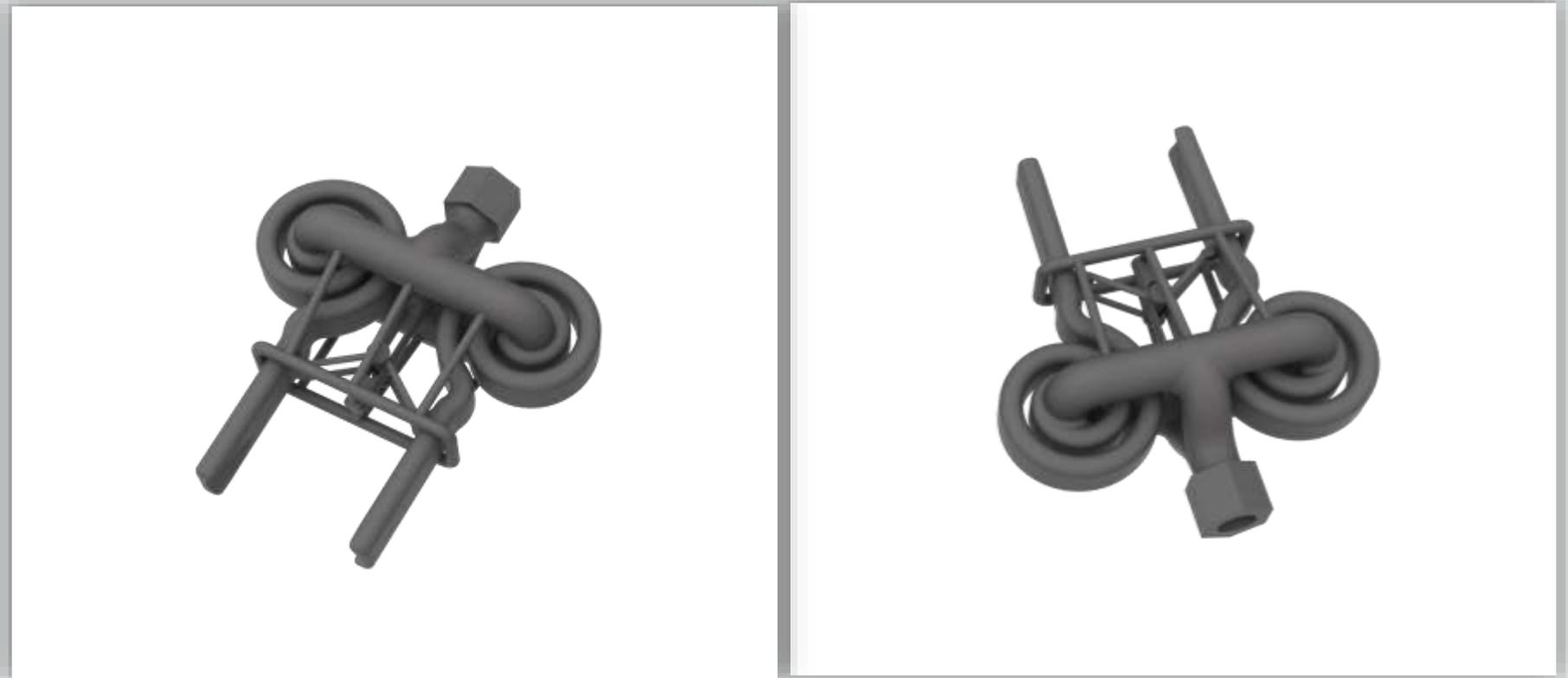
50,3 g.

### MATERIAL

HP 3D HR PA 12

### POST PROCESSING

Bead Blasting



# Pneumatic Grip

## Prototyping Application



# Gripper

## Tooling application



### CUSTOMER

Manufacturer of pneumatic and electric grippers for industrial automation

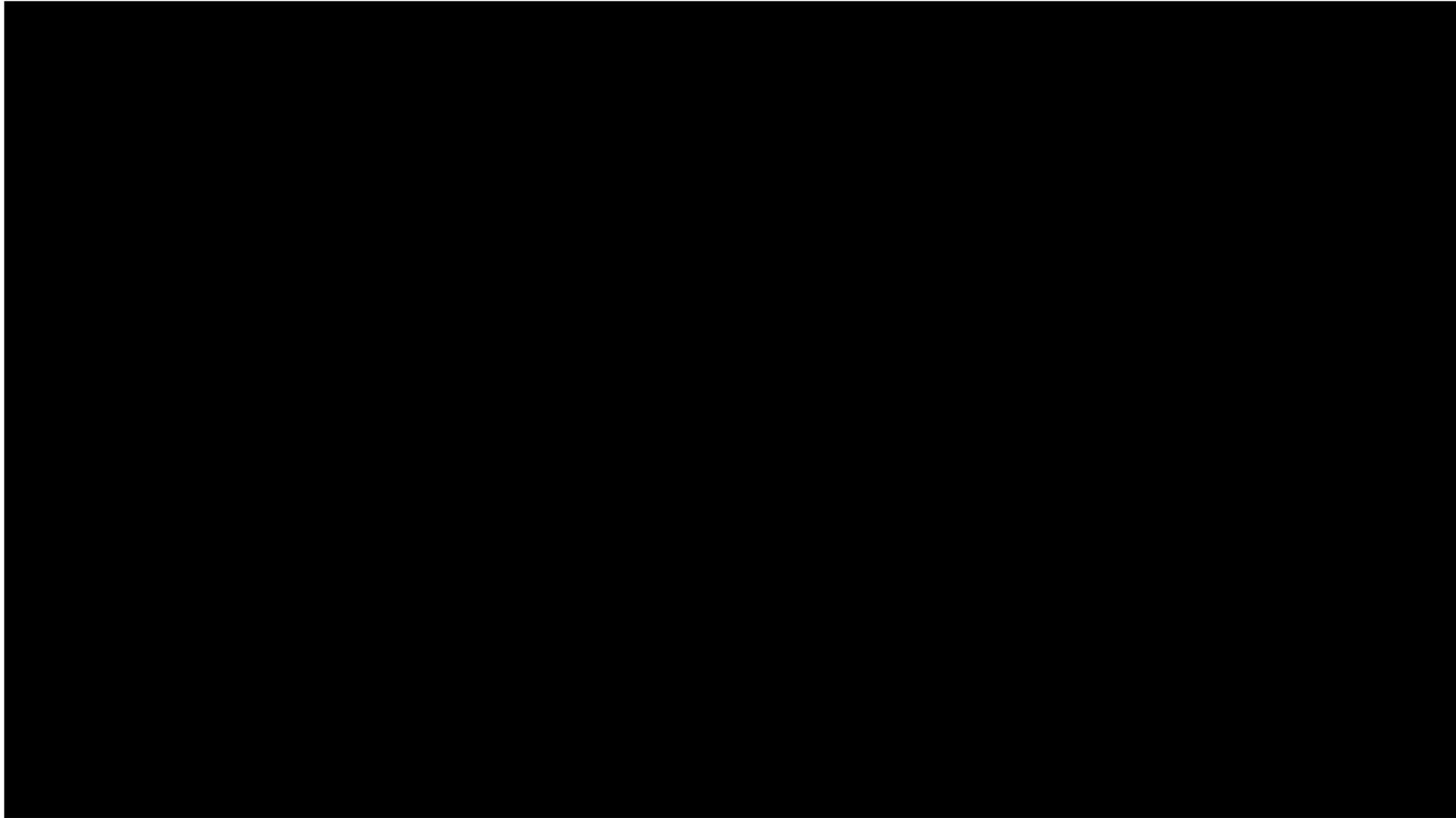
### BENEFIT

Customer satisfaction  
Accelerated new product development/time-to-market

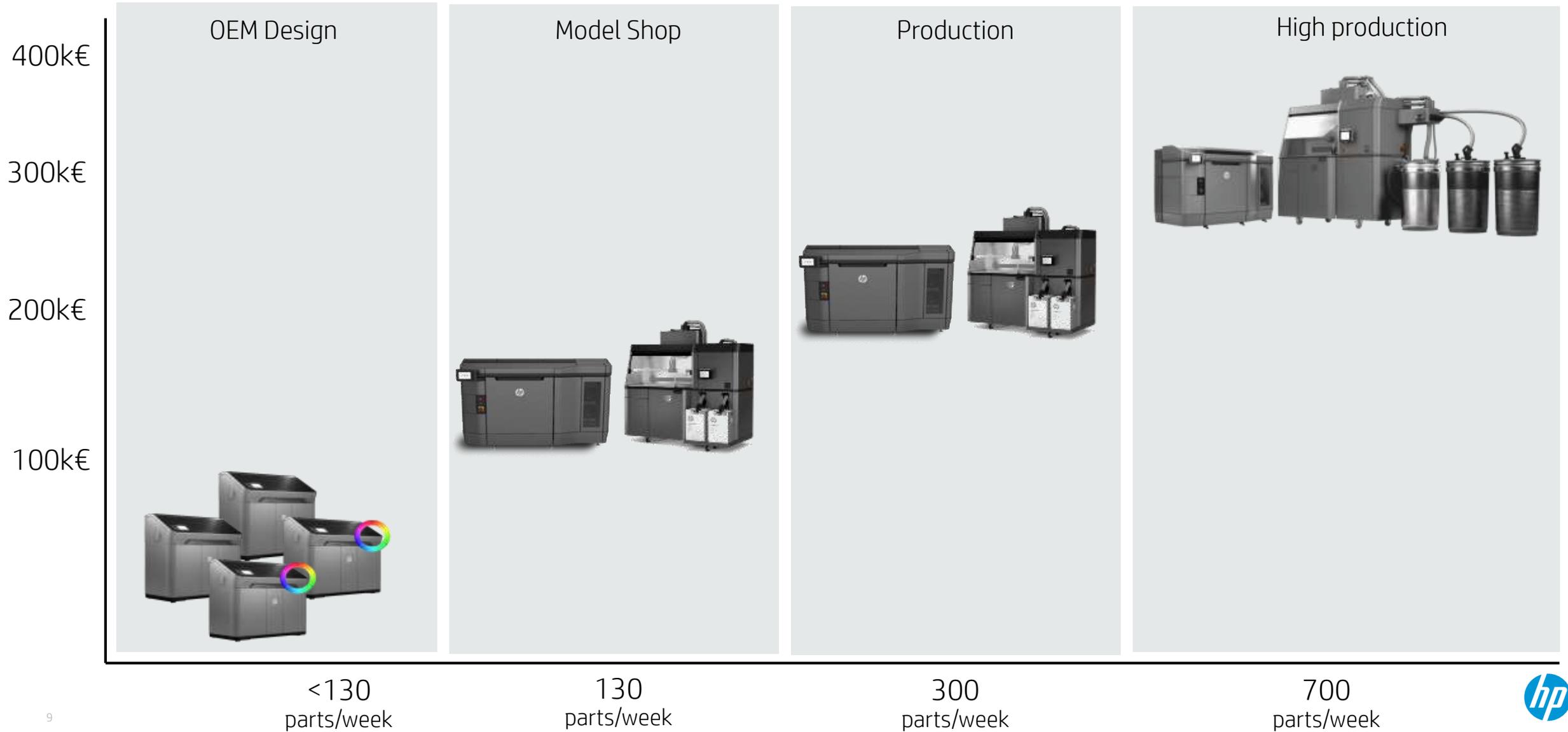


# Gripper

Tooling application



# HP 3D Multi Jet Fusion Portfolio





keep reinventing

# IMPRIME TU PIEZA GRATIS CON LA SOLUCIÓN DE IMPRESIÓN 3D HP JET FUSION!

Reserva tu pieza enviando un e-mail a [hp3diberia@hp.com](mailto:hp3diberia@hp.com)  
Nos pondremos en contacto contigo muy pronto!

## Contact us!

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# Thank you!



# Combination of assemblies into a single part



Manuf. Technology:	Machining
Material:	Aluminium
Weight:	545g
Cost:	450\$
MOQ:	13
TAT:	3 - 5 days



Manuf. Technology:	3D - MJF
Material:	3D PA12
Weight:	45g
Cost:	18\$
MOQ:	1
TAT:	1 - 2 days

**Insight:** Saving in ongoing production cost / Lightweight and reduced carbon footprint