

## SUCCESS STORY

# Tesla Motors

### Industry:

Manufacturing

### Location:

Fremont, CA

### Reusables Used:

Custom

### Company Snapshot:

Designs and manufactures premium electric vehicles, produces 400 cars per week. The Model S is an all electric sedan that seats up to 7 people.



**TESLA MOTORS**

## SUCCESS STORY

# Tesla Motors: Windshield Racks



**Before:** Windshields delivered one per box. The cardboard and HDPE foam packaging was discarded after one use.



**After:** Switched to custom-made, reusable racks for shipping windshields, with help from a \$30,000 StopWaste grant. The returnable racks are walked straight to the production line.

## SUCCESS STORY

# Tesla Motors: Windshield Racks

### Results:

- ✓ 130 annual tons of GHG avoided, equal to taking 27 cars off the road
- ✓ 2013 Business Efficiency Award for Waste Reduction Excellence in Manufacturing
- ✓ Improved manufacturing process efficiency
- ✓ Practice in line with company's philosophy



## SUCCESS STORY

# Tesla Motors: Front End Carrier Racks

**Before:** Front end carriers—key components of the Model S sedan—were delivered in disposable corrugated cardboard, one per box.

**After:** Switched to 1,452 custom-made, reusable racks for shipping front end carriers, with help from a \$10,000 StopWaste grant. The racks can be integrated seamlessly into the production line and returned to the supplier after use.



After

## SUCCESS STORY

# Tesla Motors: Front End Carrier Racks

### Results:

- ✓ Reusable racks allow better use of shipping containers (“cube utilization”), reducing freight cost
- ✓ Racks eliminate cutting and handling cardboard, reducing labor costs and improving worker ergonomics
- ✓ Racks prevent 278 tons of cardboard waste per year

