



What's the next step for the adapter?

1
00:00:00,000 --> 00:00:03,190
I'm Brent Gaddes Orion Stage
Adapter Manger here at

2
00:00:03,190 --> 00:00:07,486
Marshall Space Flight Center and
this is SLS in 60 Seconds

3
00:00:10,364 --> 00:00:13,409
The Orion Stage Adapter will
connect the Orion Spacecraft

4
00:00:13,409 --> 00:00:16,245
to the upper stage of the
rocket and will also carry

5
00:00:16,245 --> 00:00:18,456
13 small satellites

6
00:00:21,917 --> 00:00:24,795
Small satellites, also known
as cubsats are carried

7
00:00:24,795 --> 00:00:27,965
on special brackets inside the
stage adapter and released

8
00:00:27,965 --> 00:00:29,383
into deep space

9
00:00:32,636 --> 00:00:35,723
The OSA is made of aluminium pieces
that are connected together

10
00:00:35,723 --> 00:00:39,810
using a tool like this and a process
called Friction Stir Welding

11
00:00:43,064 --> 00:00:46,442

This black structure in the center of the OSA is a diaphragm

12

00:00:46,442 --> 00:00:50,071

that separates the Orion spacecraft from gases that might escape

13

00:00:50,071 --> 00:00:51,405

from the launch vehicle.

14

00:00:53,949 --> 00:00:56,160

The Orion Stage Adapter will be shipped to the Kennedy