



1
00:00:00,000 --> 00:00:02,352
I'm Chad Bryant and I'm
the Manufacturing Lead

2
00:00:02,352 --> 00:00:04,588
for NASA's Space
Launch System core stage.

3
00:00:04,588 --> 00:00:06,523
This is Rocket Science
in Sixty Seconds.

4
00:00:06,523 --> 00:00:10,327
■■■■

5
00:00:10,327 --> 00:00:12,996
The core stage is
the first stage of the

6
00:00:12,996 --> 00:00:16,633
SLS rocket and actually the
largest piece of the SLS

7
00:00:16,633 --> 00:00:19,936
rocket. It's over two hundred
twelve feet in length

8
00:00:19,936 --> 00:00:22,906
contains two propellant tanks
that house over

9
00:00:22,906 --> 00:00:25,108
seven hundred thousand
gallons of propellant that

10
00:00:25,108 --> 00:00:29,980
feed four RS-25 engines
that produce over two million

11

00:00:29,980 --> 00:00:30,947
pounds of thrust.

12

00:00:30,947 --> 00:00:33,717



13

00:00:33,717 --> 00:00:36,586

The core stage consists of
five main structures that

14

00:00:36,586 --> 00:00:39,256

have been built, outfitted
and are ready to be

15

00:00:39,256 --> 00:00:41,158

stacked and joined
together.

16

00:00:41,158 --> 00:00:44,294



17

00:00:44,294 --> 00:00:46,430

Next the stage will be
loaded onto the Pegasus

18

00:00:46,430 --> 00:00:48,999

barge and transported to
Stennis Space Center

19

00:00:48,999 --> 00:00:51,802

Bay Saint Louis Mississippi.
There we will perform

20

00:00:51,802 --> 00:00:55,405

wet dress rehearsal and
hot fire the four RS-25

21

00:00:55,405 --> 00:00:57,808

engines and do a complete
end to end functional

