



Robo Fabrik - Factsheet

Motivation

Dynamic Machines 3D Challenge
by pwnisher

- create a unique animation using the provided template
- chrome ball must be moved through a box in a specific time

Our Implementation

- derelict factory in a sci-fi look
- Factory welds legs onto ball
- Ball with legs runs through scenes and creates chaos

Team

Jonas Gehrung,
Medieninformatik

Elias Busch,
Medieninformatik

Maximilian Scherbaum,
Medieninformatik

Robo Fabrik - Techstack



- **Blender – Core Animation & Rendering Tool**

- Modeling & Blockout
- Lighting & Shading
- Animation
- Rendering – EEVEE & Cycles



- **Adobe Substance Painter – Texture & Material Creation**

- Texturing
- Smart Materials



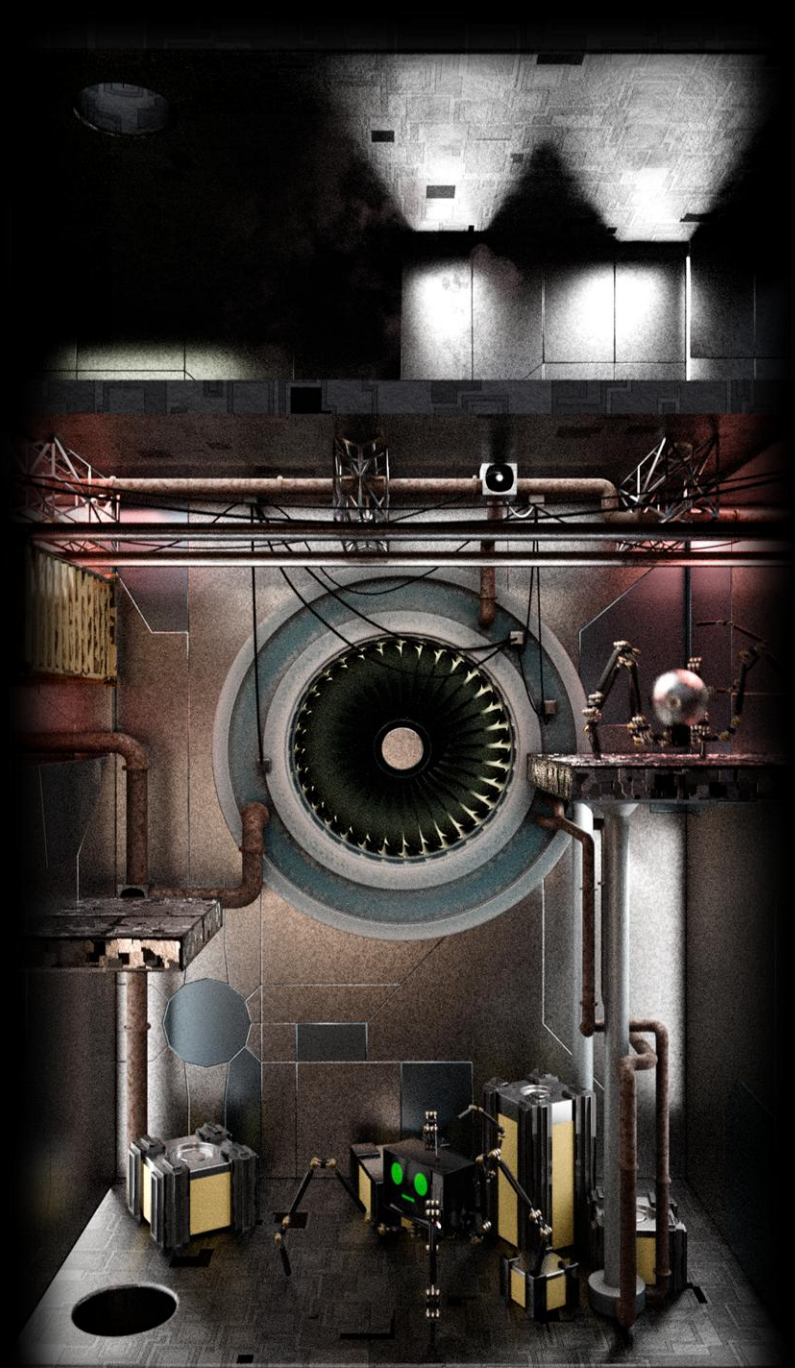
- **Houdini – VFX**

- Smoke and Explosion Simulation



- **DaVinci Resolve Studio**

- Compositing



A detailed 3D rendering of a robotic assembly line. In the center, a large, dark, metallic sphere sits on a conveyor belt. To its right, a black rectangular box is being moved by a robotic arm. The background is filled with a massive, bright orange and yellow explosion, with thick smoke billowing upwards. The scene is set in a dark, industrial environment with various mechanical components and pipes visible.

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