



US00D629030S

(12) **United States Design Patent**
Long et al.

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(45) **Date of Patent:** **** Dec. 14, 2010**

(54) **MANIPULATOR**

D616,909 S * 6/2010 Long D15/199
D624,104 S * 9/2010 Miyake et al. D15/199

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* cited by examiner

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(**) Term: **14 Years**

(57) **CLAIM**

(21) Appl. No.: **29/345,699**

The ornamental design for a manipulator, as shown and described.

(22) Filed: **Oct. 21, 2009**

DESCRIPTION

(51) **LOC (9) Cl.** **15-99**

(52) **U.S. Cl.** **D15/199**

(58) **Field of Classification Search** D15/122,
D15/199; D24/176; 74/490.01, 490.02,
74/490.03, 490.05; 219/124.34, 639; 318/560;
700/99, 150

See application file for complete search history.

FIG. 1 is a perspective view of a manipulator showing my design, the manipulator including a movable arm in a first position;

FIG. 2 is similar to FIG. 1, but viewed from another aspect;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a perspective view of the manipulator in FIG. 1, the movable arm in a second position;

FIG. 10 is a perspective view of the manipulator in FIG. 1, the movable arm in a third position;

FIG. 11 is a perspective view of the manipulator in FIG. 1, the movable arm in a fourth position; and,

FIG. 12 is a perspective view of the manipulator in FIG. 1, the movable arm in a fifth position.

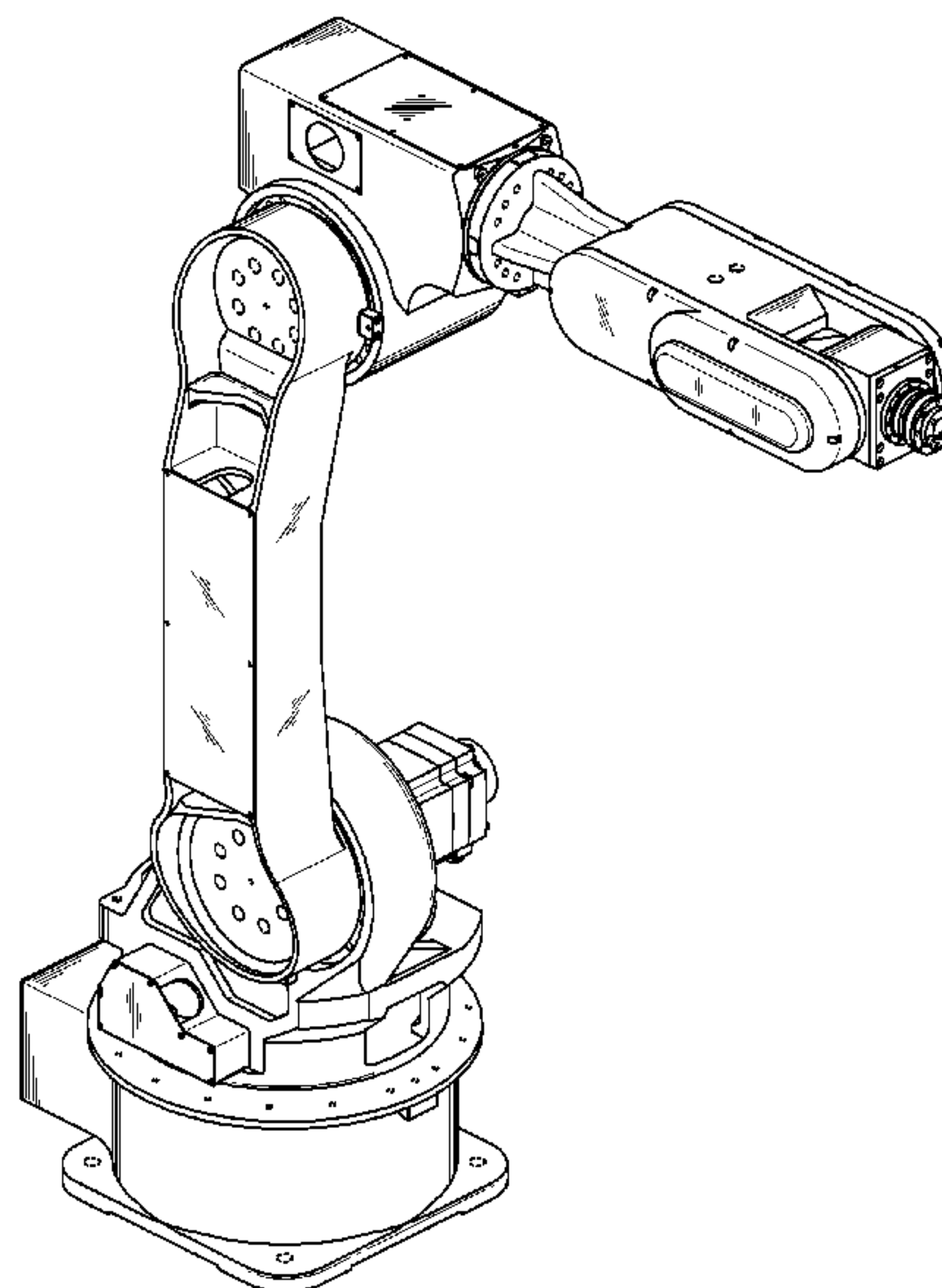
The broken lines in FIGS. 1 through 12 are included for the purposes of illustrating environment only and form no part of the claimed design.

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1 Claim, 12 Drawing Sheets



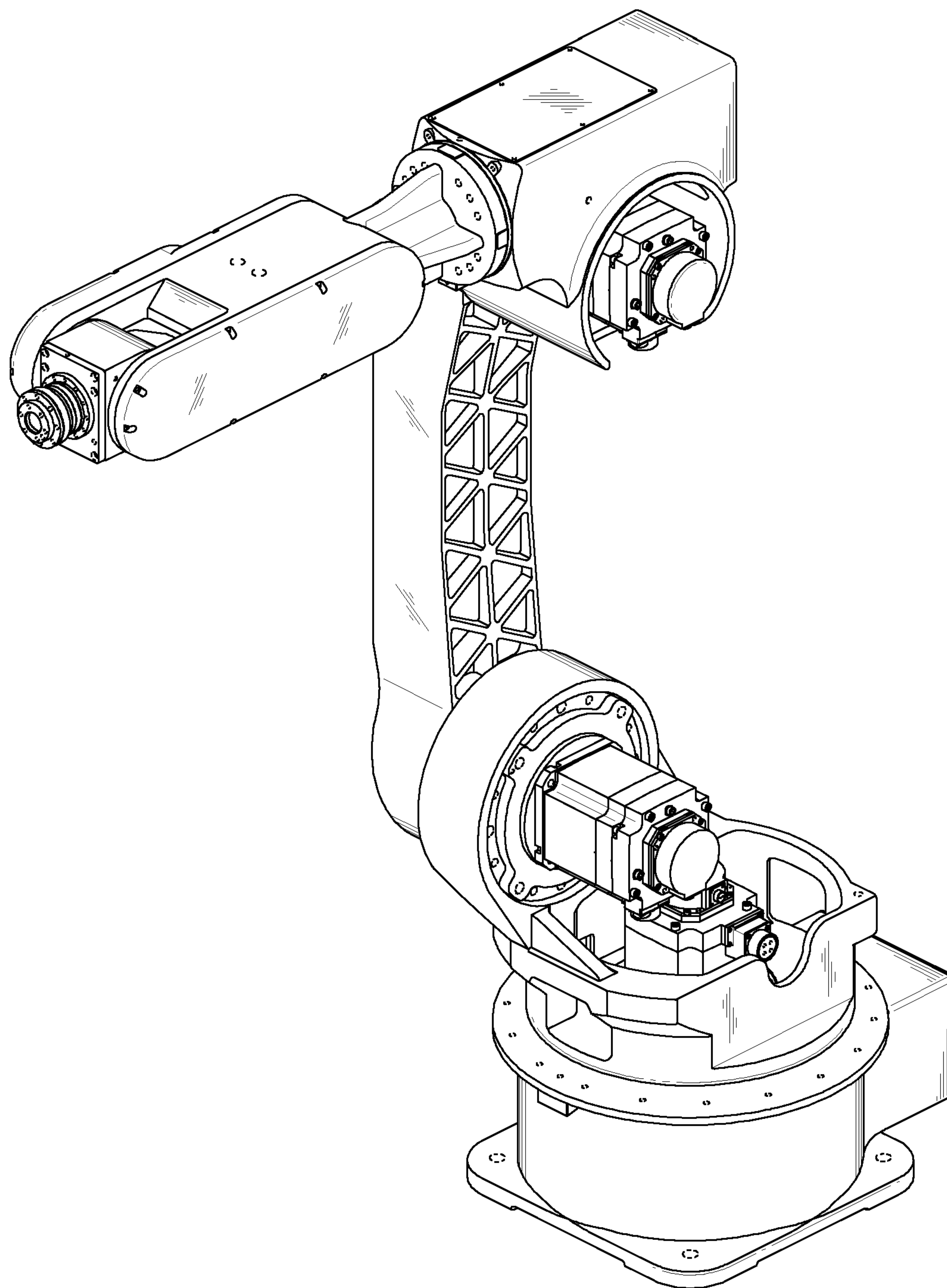


FIG. 1

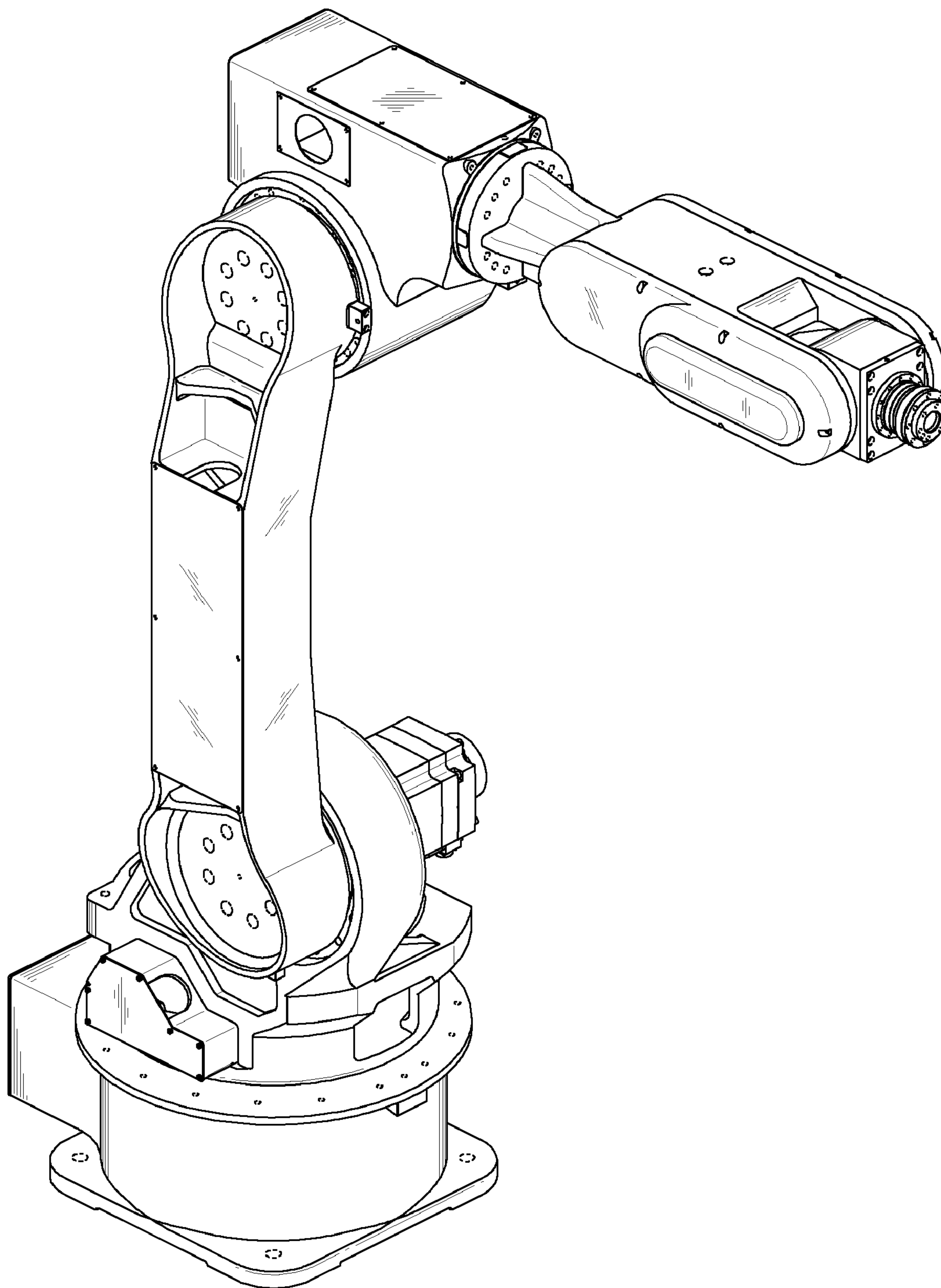


FIG. 2

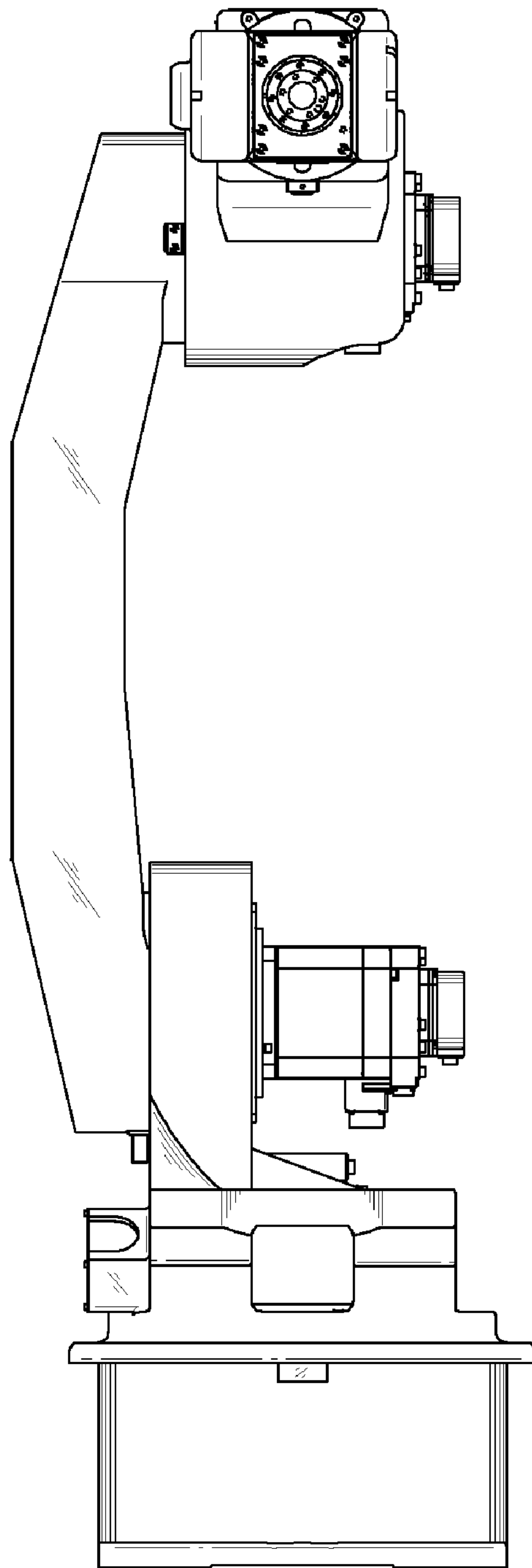


FIG. 3

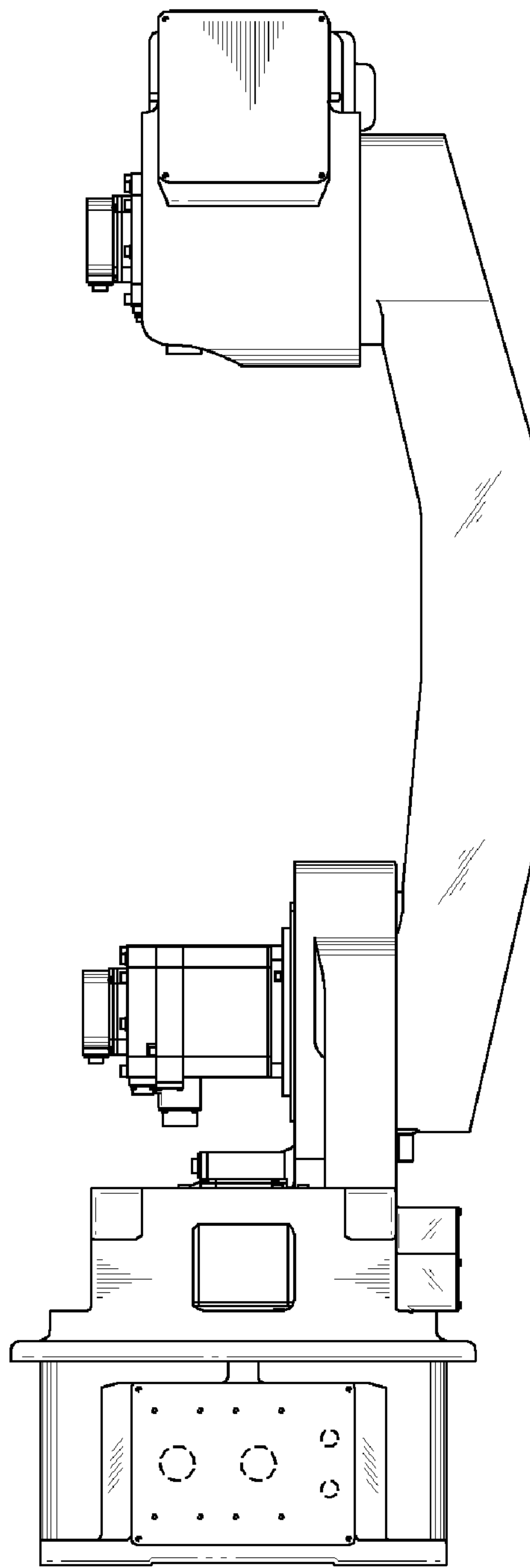


FIG. 4

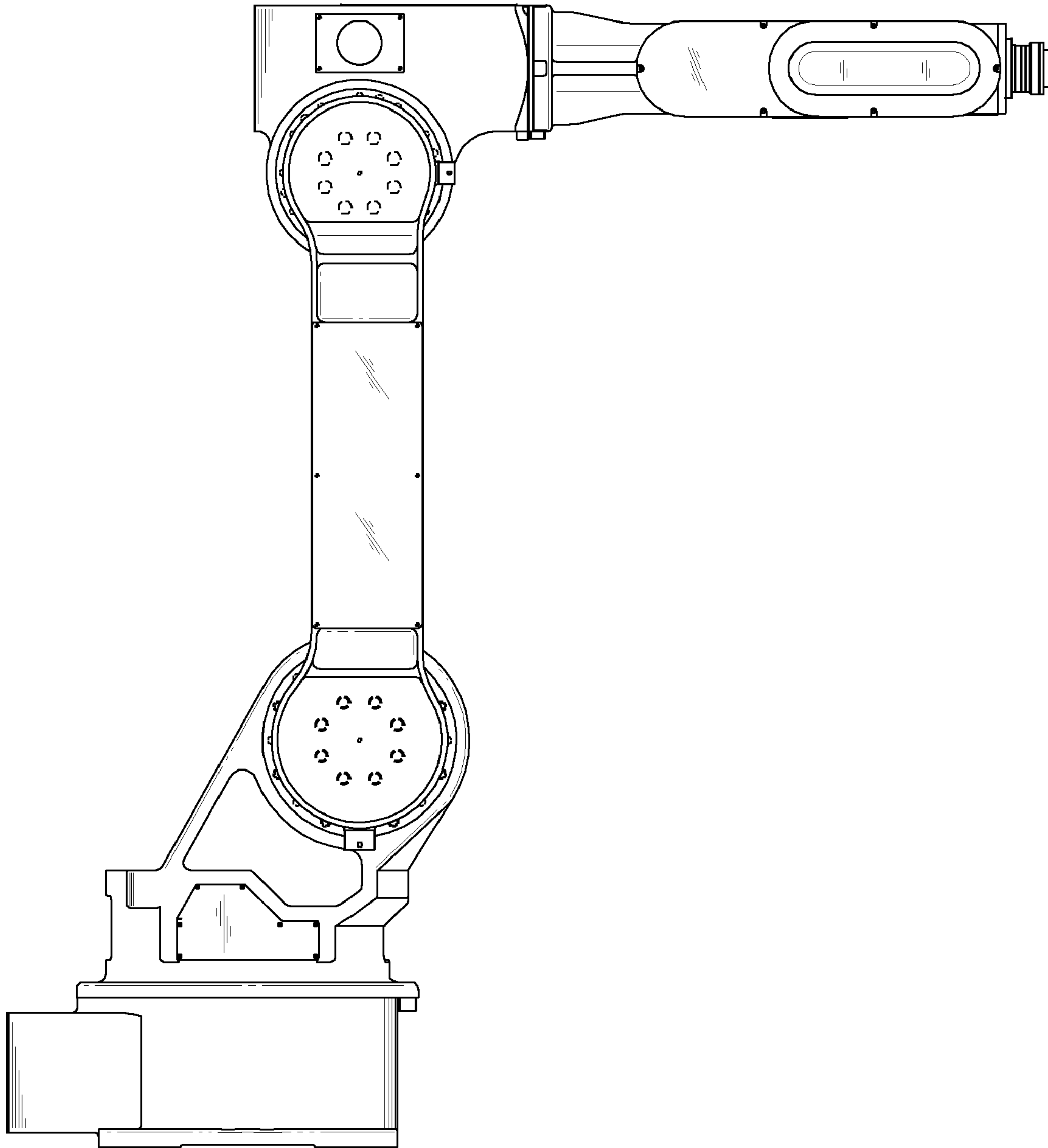


FIG. 5

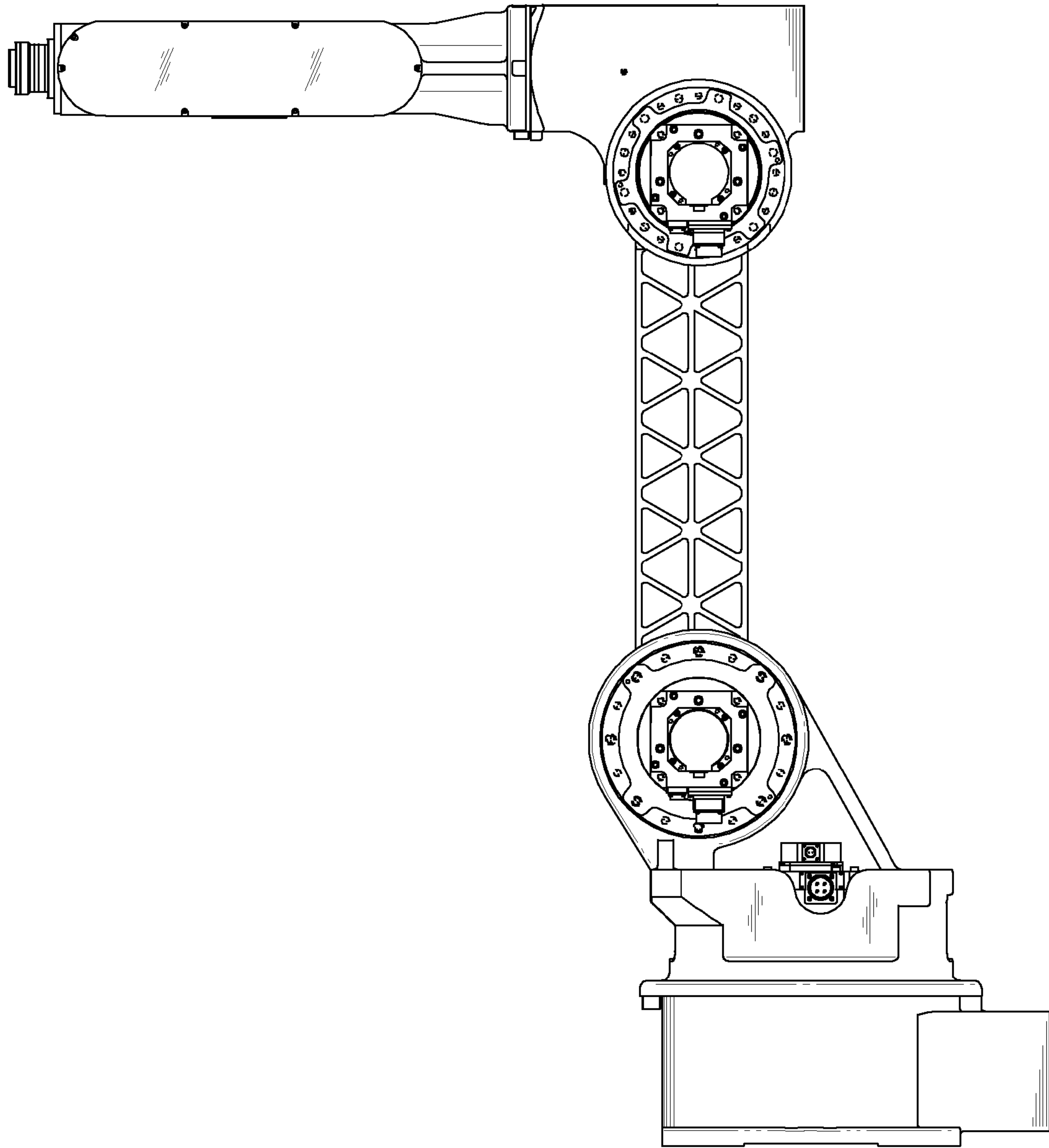


FIG. 6

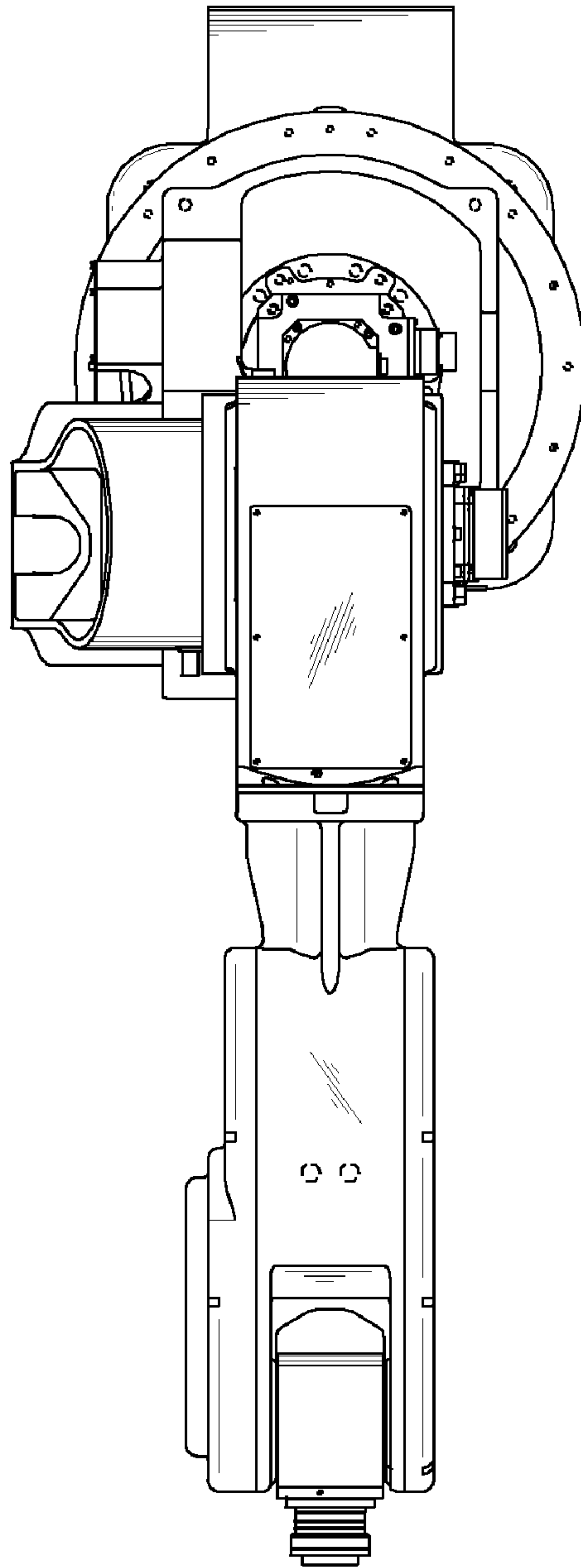


FIG. 7

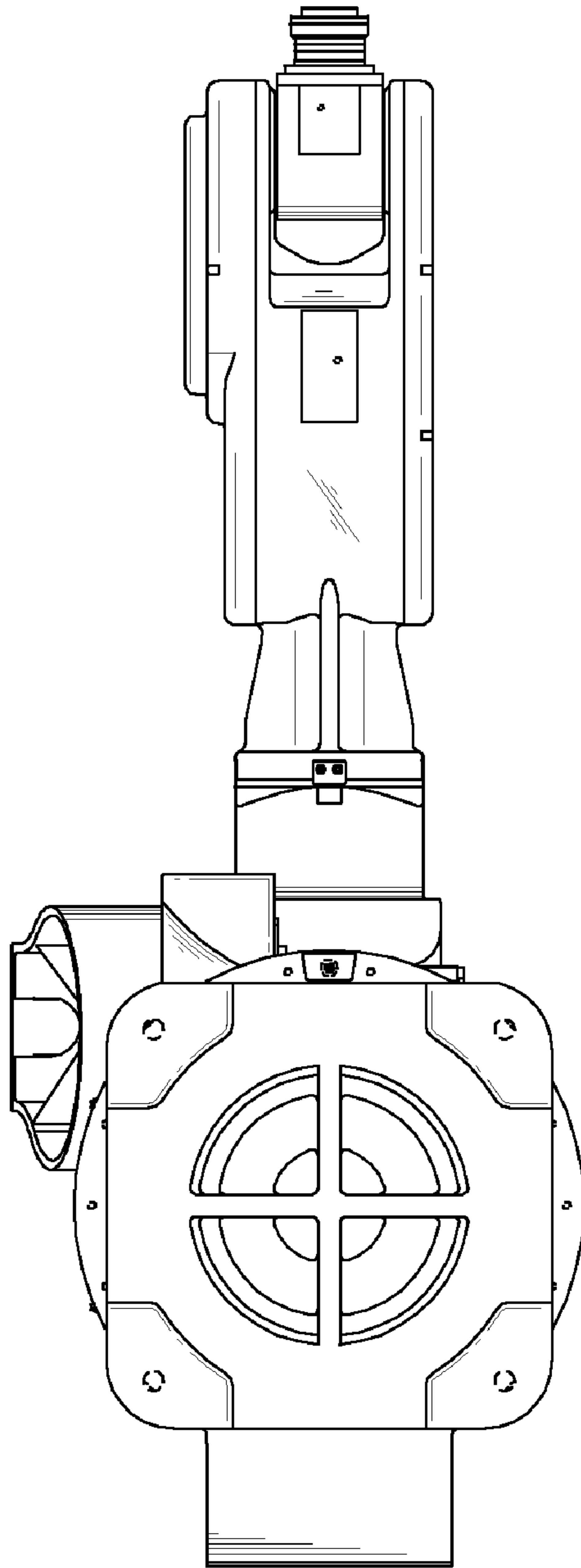


FIG. 8

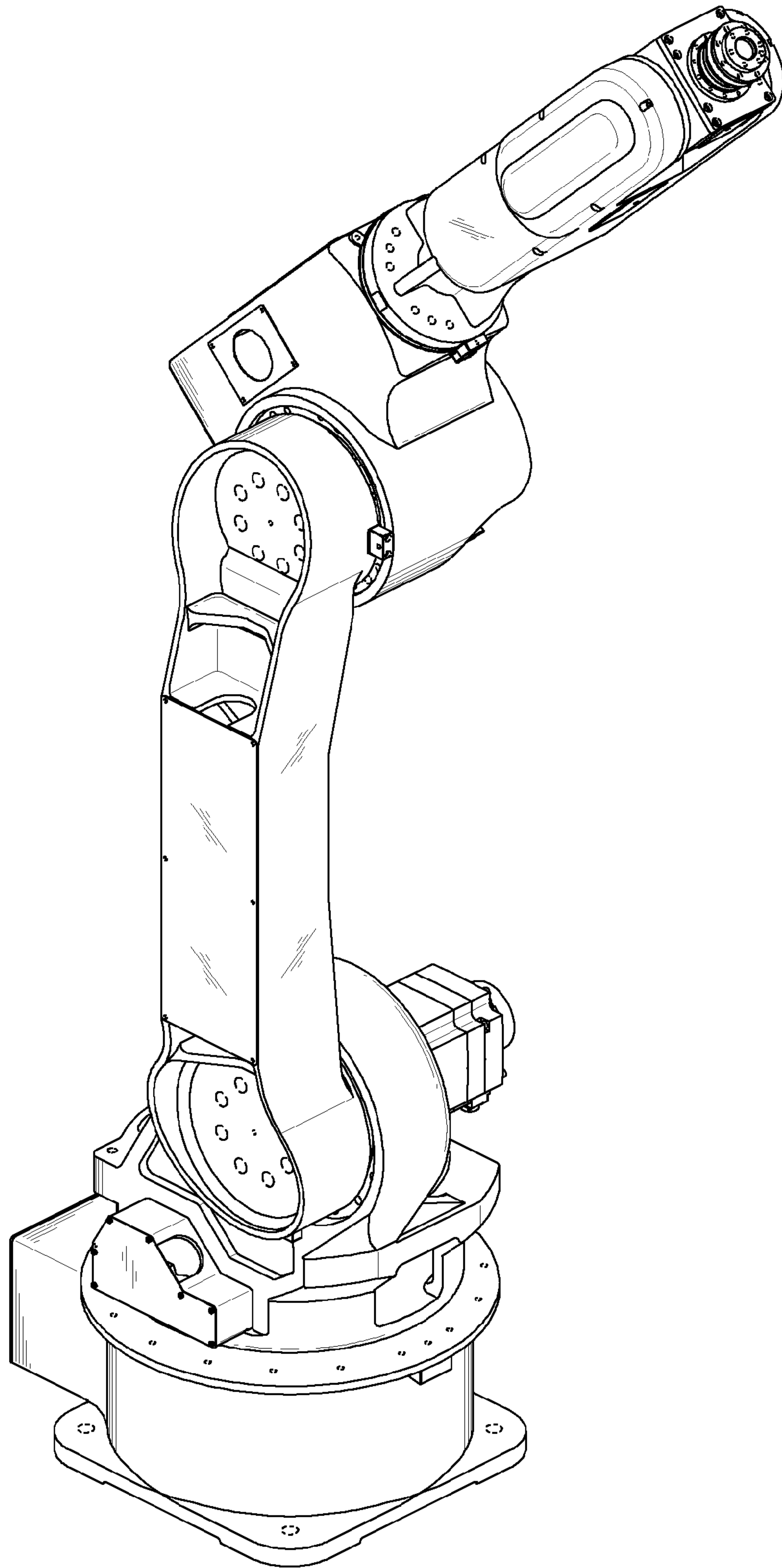


FIG. 9

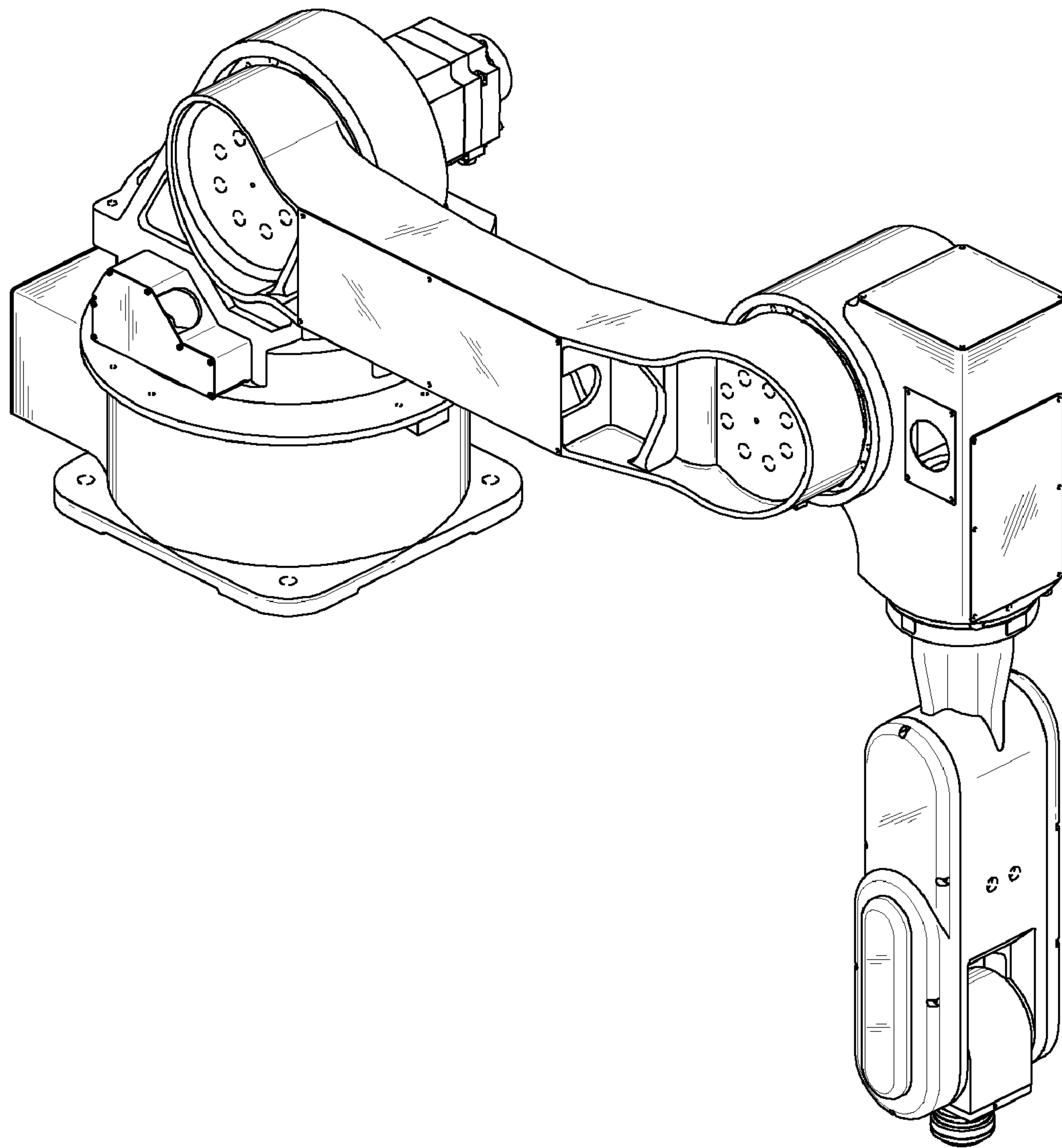


FIG. 10

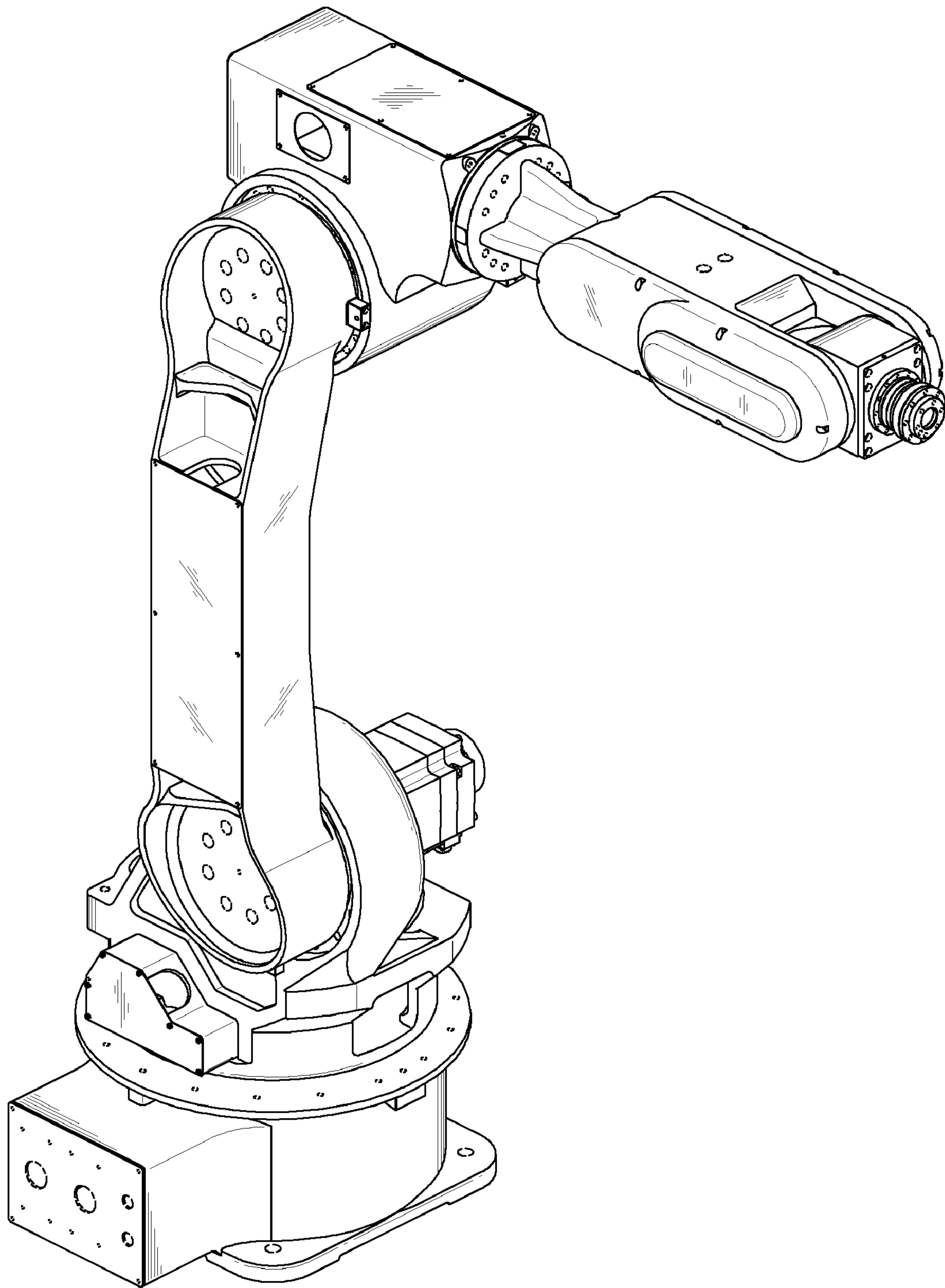


FIG. 11

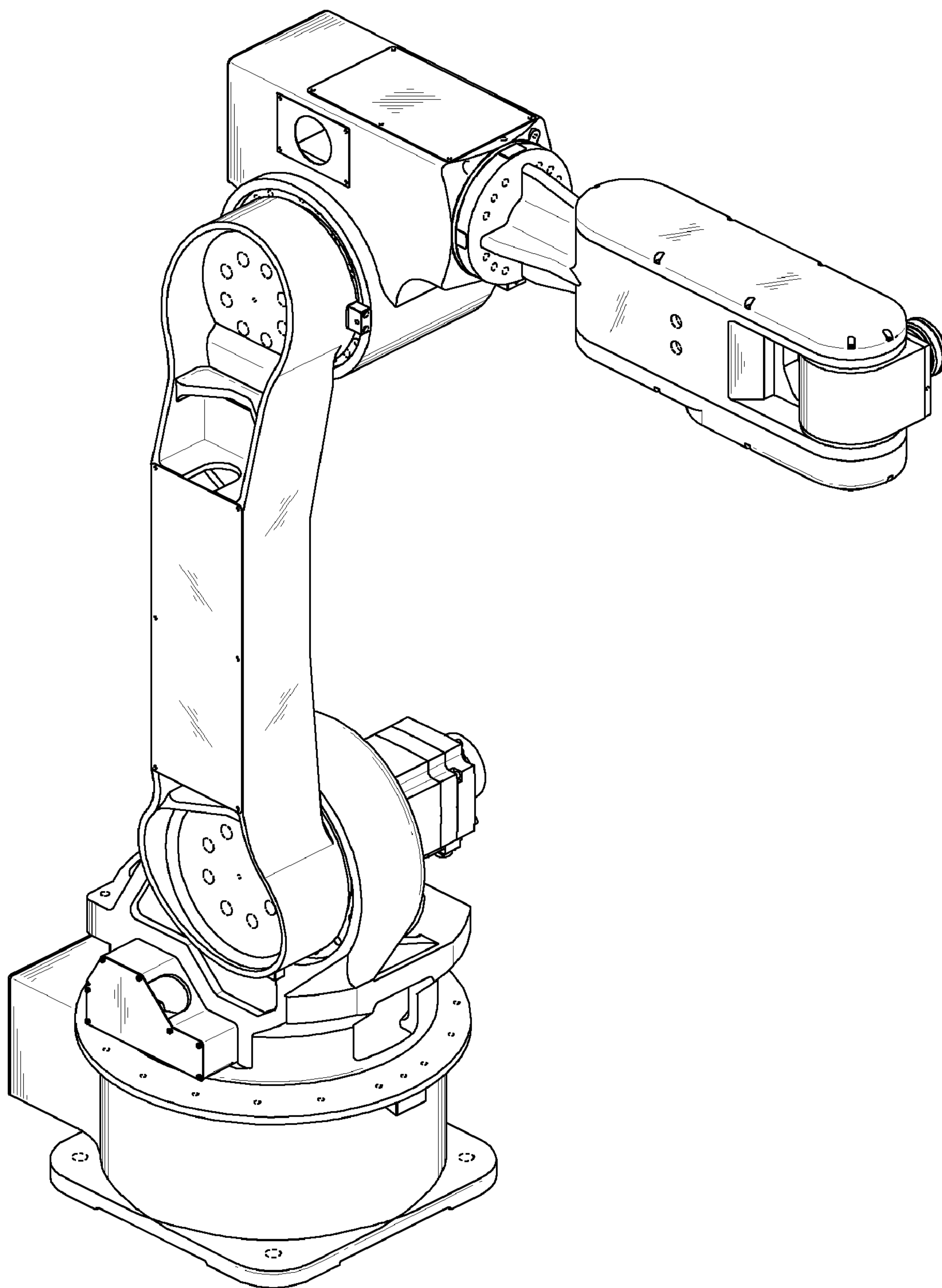


FIG. 12