CLAIMS

1. A box-type prefabricated component system, characterized in that the system comprises an inner formwork frame system, an outer formwork frame system, and an end formwork, wherein the inner formwork frame system, the outer formwork frame system, and the end formwork are enclosed to form a forming cavity (101), the forming cavity (101) is used for concrete forming and solidification, one side of the outer formwork frame system is provided with a walking system extending away from the direction of the end formwork, and the inner formwork frame system is arranged on the walking system and moves to and from the outer formwork frame system through the walking system;

wherein the inner formwork frame system comprises at least 2 longitudinal trusses (501), a plurality of portal frames (502), an internal formwork assembly and a supporting assembly, wherein the longitudinal trusses (501) are connected to the walking system through supporting legs (909), and an electric screw rod (503) that drives the longitudinal trusses (501) to move upwards and downwards is arranged between the longitudinal trusses (501) and the supporting legs (909); the portal frames (502) are evenly arranged on the longitudinal truss (501), the internal formwork assembly comprises a wall side formwork (601), an inner rear-wall formwork (602), a top formwork (603) and a corner formwork assembly, wherein the supporting assembly comprises an adjustable shoring (604) and an inner supporting rod (605), the wall side formwork (601) is arranged at both sides of the longitudinal truss (501) through an adjustable shoring (604) and an inner supporting rod (605), one side of the wall side formwork (601) is pivotally connected to a flap (606), and a flap tie rod (607) for realizing the rotation of the flap (606) is arranged between the flap (606) and the wall side formwork (601), the top formwork (603) is arranged at the upper end of the portal frame (502), and the inner rear-wall formwork (602) is arranged on the portal frame (502) through the adjustable shoring (604) and the inner supporting rod (605);

wherein the walking system comprises guide rails (701), guide rail supports (702), embedded sleeves (703) and bottom beams (704), wherein the guide rail supports (702) are arranged in alignment parallel on the pedestal (102), the embedded sleeves (703) and the guide rail supports (702) are arranged in alignment parallel on the bottom-wall formwork (401), the guide rails (701) are arranged in parallel on the bottom-wall formwork (401) and the pedestal (102) through the embedded sleeves (703) and the guide rail supports (702), the supporting legs (909) are arranged on the bottom beams (704)

through an adjustment block, both sides of the bottom beams (704) are provided with wheel sets (705) and motors (706), and the bottom beams (704) are arranged on the guide rails (701) through the wheel sets (705), and the motors (706) drive the wheel sets (705) to drive the bottom beams (704) to move to and from the guide rails (701).

2. The box-type prefabricated component system according to claim 1, characterized in that the outer formwork frame system comprises side steel external-wall members, steel bottom-wall members and steel rear-wall members, wherein the steel bottom-wall members are arranged on the pedestal (102), the side steel external-wall members are opposite sides of the steel bottom-wall members, the steel rear-wall members are arranged on one side of the steel bottom-wall members, and the other side is connected to the end formwork, a plurality of external formwork opposite-tie rod (103) are arranged between the two side steel external-wall members, and the side steel external-wall members, the steel bottom-wall members, the steel rear-wall members and the end formwork are enclosed to form a groove (104) for accommodating the inner formwork frame system.

3. The box-type prefabricated component system according to claim 2, characterized in that the side steel external-wall members comprise a plurality of H-shaped steels (201), connecting frame (202), diagonal connecting frames (203) and side external-wall formwork (204), wherein the two sides of the H-shaped steel (201) are welded to the connecting frame (202), the H-shaped steel (201) is arranged side by side through the connecting frame (202), a diagonal connecting frame (203) is arranged between the two connecting frames (202), a plurality of back ridges (205) are arranged between the H-shaped steel (201) and the side external-wall formwork (204), a side external-wall guide frame (206) is hingedly arranged at both ends of the connecting frame (202), a first side external-wall tie rod (207) is arranged between the side external-wall guide frame (206) and the side external-wall formwork (204), a pedestal (102) is provided with a side outer track (208) that slides relative to the side external-wall guide frame (206), one side of the side outer track (208) is provided with a second side external-wall tie rod (209) that drags the movement of the side steel external-wall members, and a walkway plate (210) and a guardrail (211) are provided at the upper end of the H-shaped steels (201).

4. The box-type prefabricated component system according to claim 3, characterized in that the steel rear-wall member comprises a rear-side track (301) and a right-angle steel frame (302) sliding on the rear-side track (301), wherein the rear-side track (301) is arranged on the pedestal (102), the right-angle steel frame (302) is provided with an outer

rear-wall formwork (303), a plurality of back ridges (205) are arranged between the outer rear-wall formwork (303) and the right-angle steel frame (302), the right-angle steel frame (302) is connected to the steel bottom-wall member through a right-angle tie rod (304), a real-wall tie rod (305) that drags the movement of the right-angle steel frame (302) is arranged between the pedestal (102) and the outer rear-wall formwork (303), and a guardrail (211) is arranged at the top of the right-angle steel frame (302).

5. The box-type prefabricated component system according to claim 4, characterized in that the steel bottom-wall member comprises a bottom-wall formwork (401) arranged on the pedestal (102), a longitudinal beam frame (402) is arranged between the bottom-wall formwork (401) and the pedestal (102), wherein the two sides of the longitudinal beam frame (402) are provided with a limiting tie rod (403) capable of holding the movement of the H-shaped steel (201), and one end of the longitudinal beam frame (402) is provided with a bottom diagonal tie rod (404) linked to the right-angle tie rod (304).

6. The box-type prefabricated component system according to claim 1, characterized in that the corner formwork assembly comprises a wall corner formwork (608), a beam side formwork (609), a beam corner formwork (610), a balcony formwork (611) and a beam bottom formwork (612), wherein the wall corner formwork (608) is arranged between wall side formwork (601) and the inner rear-wall formwork (602), the beam side formwork (609) is arranged between the top plate and the wall side formwork (601), the beam corner formwork (610) is arranged on both sides of the beam side formwork (609), the balcony formwork (611) is arranged on the upper end of the portal frame (502), and the beam bottom formwork (612) is arranged between the balcony formwork (611) and the beam side formwork (609).

7. The box-type prefabricated component system according to claim 1, characterized in that the adjustment block comprises an adjustment bump (801) and a slider (802), where the adjustment bump (801) is arranged directly above the wheel sets (705), the slider (802) is slidingly connected to the adjustment bump (801) through a slot, the supporting legs (909) are slidingly connected to the slider (802), the bottom beam (704) is further provided with an adjustment tie rod (803), one end of the adjustment tie rod (803) is connected to the bottom beam (704), and the other end is connected to the slider (802).