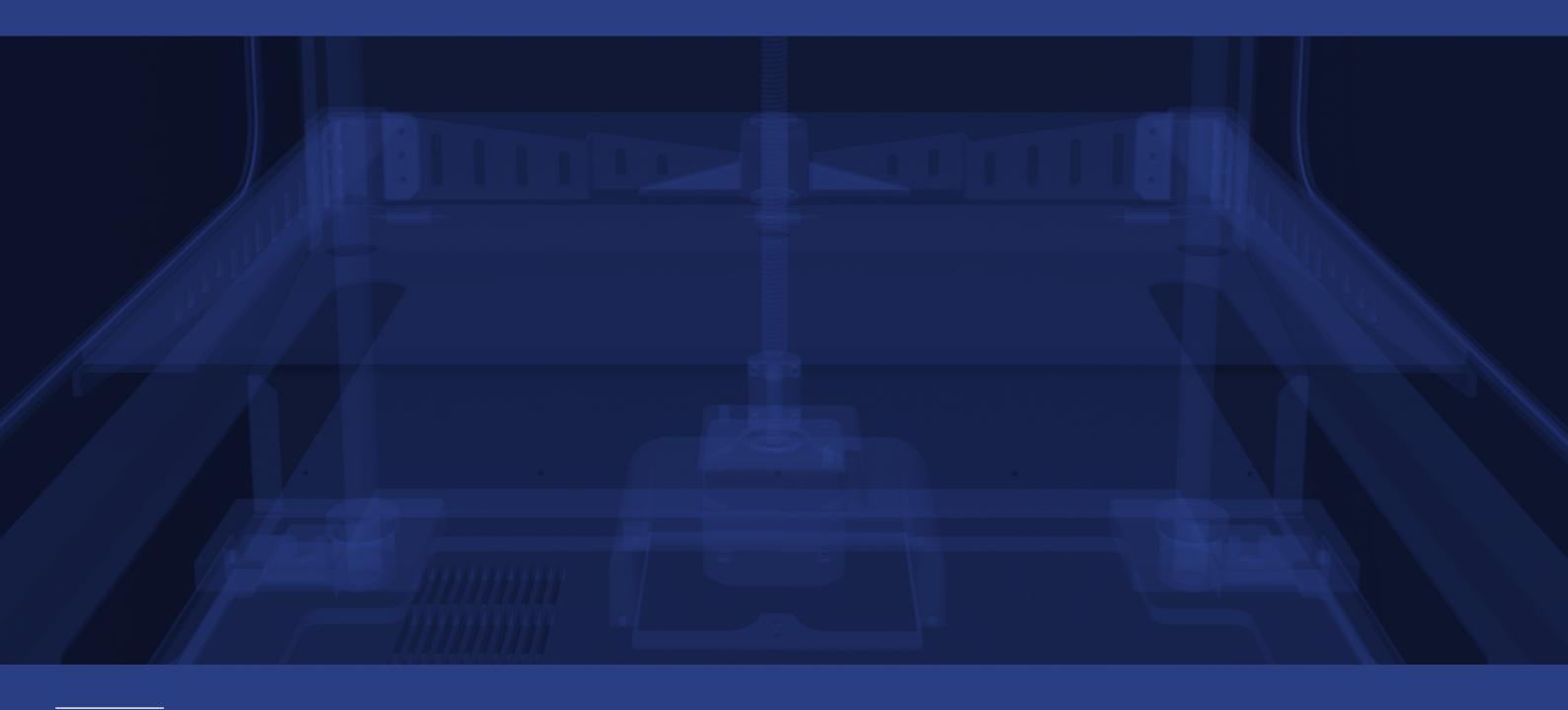


Professionalism, Cooperation, Creative Confidence. Professionalism, Cooperation Creative Confidence.

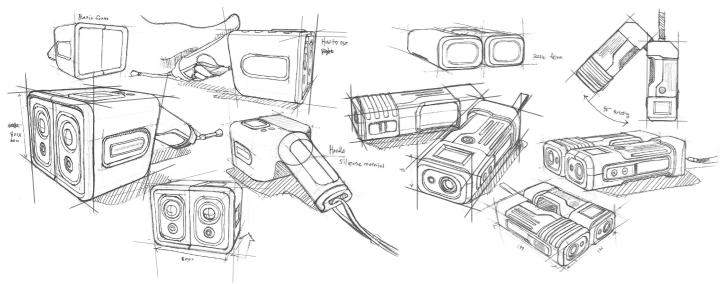


3D PRINTING
PRODUCT DEVELOPMENT
COMPANY

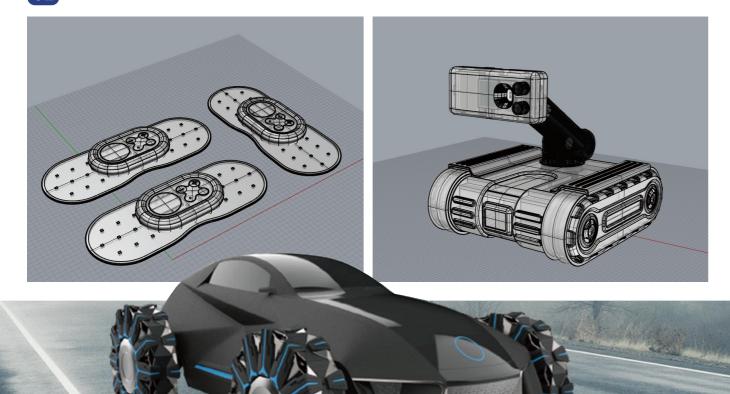


DESIGN



















DESIGN DEVELOPMENT

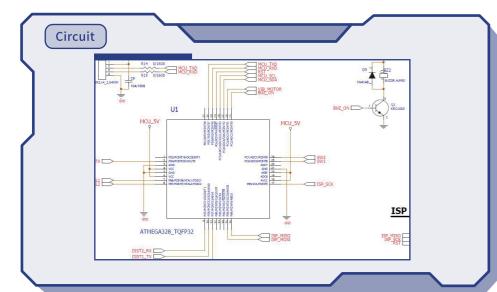
L.line mainly focuses on developing prototype such as product design, industrial design, mechanism design, visual design, and package design, and consulting mass production, and presents the best solutions through close communication and cooperation with customers, from creating a design concept to realize customer's vague ideas to developing a product idea to increase user satisfaction.

04

CIRCUIT

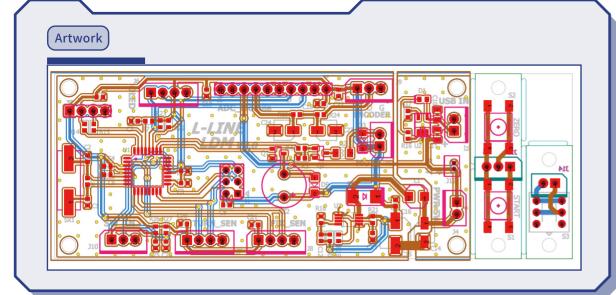


01 Circuit Diagram & Artwork



Circuit diagram

: Creates a logical structure to enable it to work in a customer-desired way.



PCB & Firmware

: Programming the command system into the processor (MCU) in compliance with the conditions and order of the device to be

Firmware

RCC_OscInitStruct.OscillatorType = RCC_OSCILLATORTYPE_HSE;
RCC_OscInitStruct.HSEState = RCC_HSE_ON;
RCC_OscInitStruct.PLL.PLLState = RCC_PLL_ON;
RCC_OscInitStruct.PLL.PLLSource = RCC_PLLSOURCE_HSE;
RCC_OscInitStruct.PLL.PLLM = 4;
RCC_OscInitStruct.PLL.PLLM = 96;
RCC_OSCInitStruct.PLL.PLLP = RCC_PLLP_DIV2;
RCC_OSCInitStruct.PLL.PLLP = RCC_PLLP_DIV2;
RCC_OSCInitStruct.PLL.PLLP = 4;
if (HAL_RCC_OSCCOnfig(&RCC_OSCINItStruct) != HAL_OK)
{ _Error_Handler(__FILE__, __LINE__);

/**Initializes the CPU, AHB and APB busses clocks

"/
RCC_ClkInitStruct.ClockType = RCC_CLOCKTYPE_HCLK|RCC_CLOCKTYPE_SYSCLK
|RCC_CLOCKTYPE_PCLK1|RCC_CLOCKTYPE_PCLK2;
RCC_ClkInitStruct.SYSCLKSource = RCC_SYSCLKSOURCE_PLLCLK;
RCC_ClkInitStruct.AHBCLKDivider = RCC_SYSCLK_DIV2;
RCC_ClkInitStruct.APBICLKDivider = RCC_HCLK_DIV2;
RCC_ClkInitStruct.APBICLKDivider = RCC_HCLK_DIV1;

PRODUCT DEVELOPMENT & ELECTRONIC CIRCUIT

L.line develops high quality hardware products by working (developing circuit and artwork PCB) software for operating the hardware. Product development takes place in a one-step total solution process from design, mechanism design, circuit design, and production, thus, L.line responds flexibly and quickly to customer requirements.



06

Artwork

connection status.

: Designs a circuit board in compliance with the conditions of the actual equipment to be installed based on the electronic theory and

ENGINEERING / 3D PRINTING

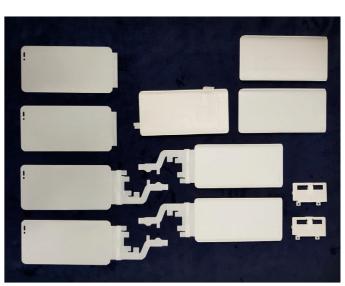




















3D PRINTING FOR RAPID PROTOTYPING

It is produced by an experienced operator who has know-how in machine design and operation of device, to review the shape and assembly of the product before designing the mold, and to examine commercial value and marketability. Devices and materials will be selected to suit the purpose of using the actual product, and the final product will be provided to customers after going through post-processing.

08

L.LINE thinks of the invisible to make the visible.



Design

L.line thinks with customers to meet the demands of users for convenience, such as planning ideas and concepts, and developing product and packaging designs.



Circuit evelopment

R&D experts with high skills and know-how develop the circuit, PCB and firmware to enable the hardware to work, enhancing the degree of completeness.



Design / printing output

Skilled operating experts in 3D printer are in charge of designing small to large equipments, 3D printing, post-treatment and post-processing, and provide high-quality products to meet customer satisfaction.



S How to find us

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