


# Product Search User Guide

## Overview

The OBARA Welding Gun Selection Database provides two search methods to help users quickly find welding gun products that meet their requirements: Traditional Search and AI Intelligent Search. This guide will detail how to effectively use both search functions.






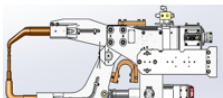
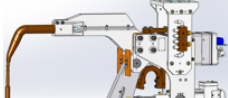

## Product Category Selection Instructions


### X2C-C/X2C-X



#### X2C 理念:基本结构

- 共用标准枪体分为两大类型

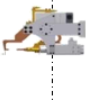


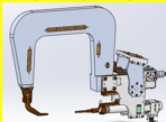

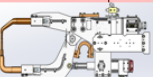
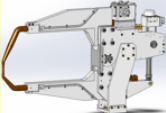
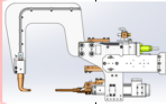
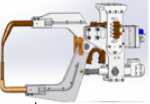
	小型	中型	大型	特殊
	~150	150~300	300~450	450~
C型				
X型				
	~150	150~350	350~450	450~
	小型	中型	大型	特殊



## X2C 理念:重量范围

JL OBARA

### ● 焊钳重量vs机器人负载量

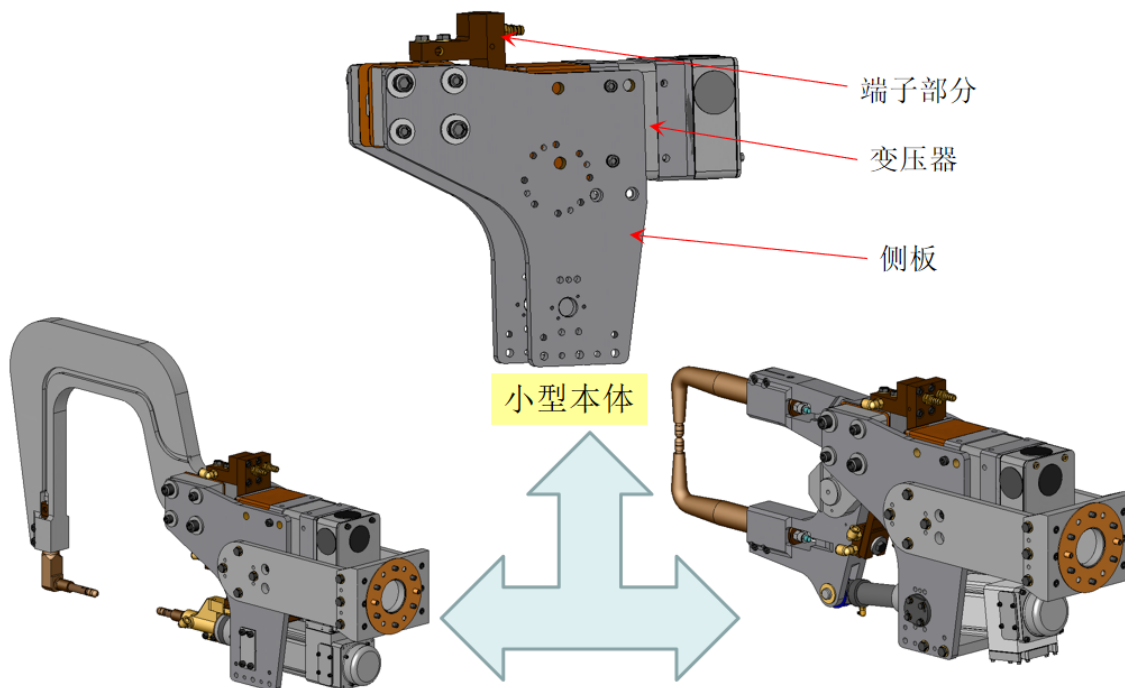
X2C型焊钳的重量范围						
	~60kg	70kg	80kg	90kg	100kg	~160kg
小型 (~150)						
中型 (~350)						
大型 (~450)						

理想负载量

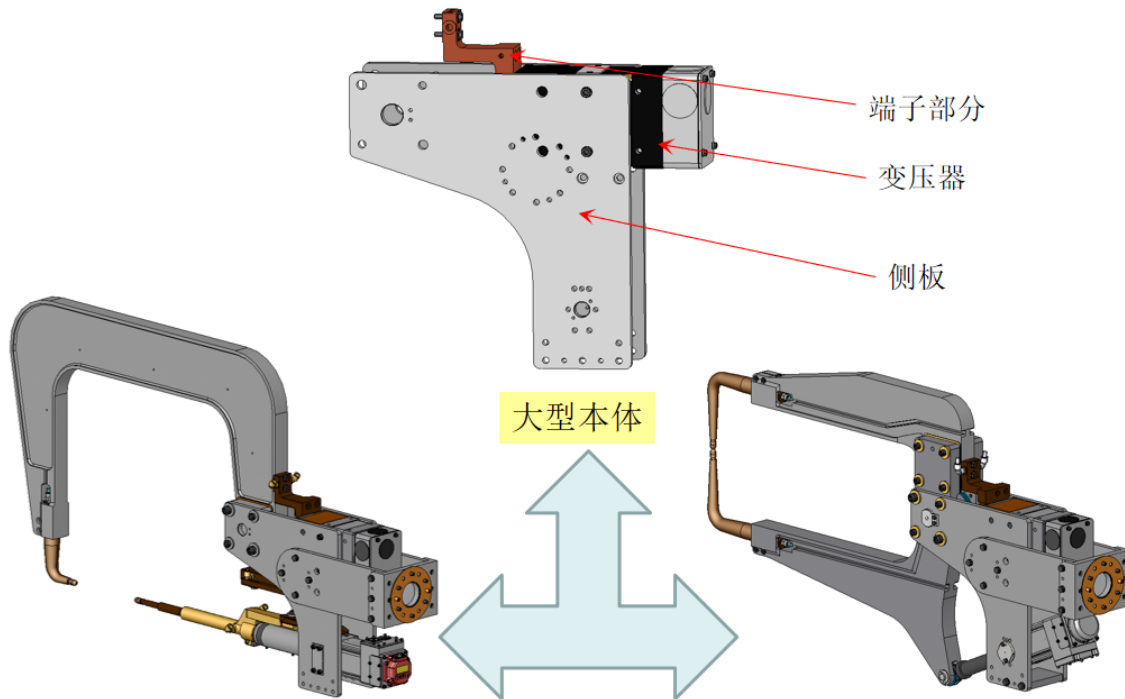
## X2C-V2-C/X2C-V2-X

JL OBARA

### V2中小型C和X型焊钳标准化本体

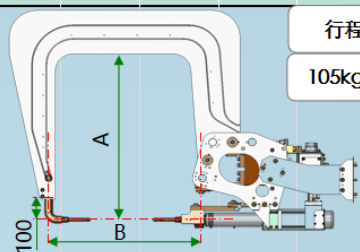
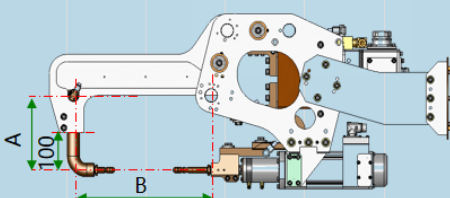
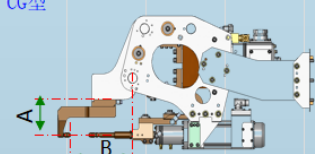


## V2大型C和X型焊钳标准化本体



**X2C-V3-C**

## C型焊钳分类 (喉部尺寸)

焊钳加压力(N)	A\B	200	250	300	350	400	450	500	550	600	650	700
6000	800					CB型		行程≤285				
6000	750							105kg~130kg				
6000	700											
6000	650											
6000	600											
6000	550											
6000	500											
6000	450	CM型		行程≤185								
6000	400			75kg~105kg								
6000	350											
6000	300											
6000	250											
6000	200											
6000	150											
6000	125	CG型		行程≤105								
6000	100			75kg~80kg								

# X型焊钳分类 (喉部尺寸)

焊钳 加压力(N)	A\B	100	110	140	180	200	210	240	300	350	400	450	500	600	700	
5500	900	XB型														105kg~135kg
5800	850															
6000	800															
6000	750															
6000	700	XM型														100kg~125kg
6000	650															
6000	600															
6000	550															
6000	500															
6000	450	XS型														75kg~105kg
6000	400															
6000	350															

## 1. Traditional Search Function

### Required Fields

Product Category ★ Required

- Select the main category type of welding gun.
- Different categories correspond to different technical parameters.
- A category must be selected before searching.

### Main Search Fields

#### Subcategory Type

- After selecting the main category, the system will automatically load corresponding subcategory options.
- Can further refine the search range.

#### Throat Depth

- Input format: numerical value or range.
- Examples: 50 (equal to 50), ~50 (less than or equal to 50), 100~120 (between 100 and 120), 1020~ (greater than or equal to 1020).

#### Throat Width

- Input format is the same as Throat Depth.
- Represents the width dimension of the welding gun opening.

## Transformer

- Select the matching transformer model for the welding gun.
- Common models: ITS85, DB6-100R1, RT552, RT752, etc.

## MOTOR Manufacturer

- Select the manufacturer of the servo motor.
- Common manufacturers: FANUC, KUKA, YASKAWA, ABB, etc.

# Advanced Search Options

---

Click "Advanced Search Options" to expand more search fields:

## Basic Parameters

- **Drawing No. 1(o):** Product drawing number.
- **Description:** Product description keywords.
- **Stroke:** Working stroke of the welding gun.
- **Pressurization Force:** Pressurization capability of the welding gun.
- **Weight:** Product weight.

## Technical Parameters

- **Electrode Arm End:** Type of electrode arm end.
- **With/Without Balance:** Whether equipped with a balancing device.
- **Transformer Placement Direction:** Installation direction of the transformer.
- **Flange P.C.D:** Pitch circle diameter of the flange.
- **Bracket Direction:** Installation direction of the bracket.
- **Water Circuit:** Configuration of the cooling water circuit.

# 2. AI Intelligent Search Function

---

## Function Introduction

AI Intelligent Search is an advanced search function of the Database that understands user needs through natural language processing technology and provides more intelligent and accurate search results.

## Usage Method

1. Click the "AI Search" button at the top of the page to enter the AI search interface
2. Describe your needs in natural language in the search box, for example:
  - "I need an X2C-C series welding gun with throat depth 500-600mm, compatible with FANUC motor"
  - "Please recommend an X2C-V3-X welding gun with pressurization force greater than 1000N"
3. Click the "Search" button or press Enter to get results
4. The system will intelligently parse your needs and display a list of matching products

## Advantages of AI Search

- **Natural Language Input:** No need to be familiar with complex search fields, directly describe needs in daily language
- **Intelligent Demand Parsing:** Automatically identify key parameters and conditions
- **Precise Matching:** Provide more accurate search results based on AI algorithms
- **Learning Optimization:** The system continuously optimizes search results based on user feedback

## Search Tips

---

### 1. Range Search

For numerical fields (Throat Depth, Throat Width, Stroke, etc.), the following formats are supported:

- `50` : Exact match for 50.
- `~50` : Less than or equal to 50.
- `50~` : Greater than or equal to 50.
- `50~100` : Between 50 and 100.

### 2. Combined Search

- Multiple search conditions can be used simultaneously.
- The system will find products that meet all conditions.
- It is recommended to start with main parameters and gradually add secondary conditions.

### 3. Search Strategy

1. **Broad Search:** Start with main parameters.
2. **Gradual Refinement:** Adjust search conditions based on the number of results.
3. **Key Parameters:** Focus on key parameters such as Throat Depth, Throat Width, and Transformer.
4. **AI Assistance:** For complex needs, try using the AI search function.

## Search Results

---

### Result Display

- Search results are displayed in a table format.
- Shows the main technical parameters of the product.
- Provides product preview images and detail links.
- AI search results also display matching scores.

### Result Operations

- **View Details:** Click on a product to view complete technical parameters.
- **Download Files:** Download technical files such as DWG, STEP, BMP, etc.
- **Batch Download:** Supports selecting multiple products for batch download.
- **Favorite Products:** Add frequently used products to favorites for easy later viewing.
- **Share Products:** Support sharing product information with other users.

## Frequently Asked Questions

---

### Q: Why are there no search results?

A: Please check if the search conditions are too strict. Try to relax some conditions or use range search. For complex needs, it is recommended to try the AI search function.

### Q: How to search for a specific product model?

A: Enter the product model in the "Drawing No. 1(o)" field, or keywords in the "Description" field. You can also directly enter the model in AI search.

### Q: How to input numerical ranges?

A: Use the tilde (~) to indicate a range, e.g., "100~200" for between 100 and 200.

### Q: What if the search speed is slow?

A: It is recommended to select the product category first, and then add other search conditions to improve search efficiency.

### Q: What if the AI search results are not accurate enough?

A: You can try to describe your needs in more detail, or click the "Feedback" button on the AI search results page to provide your suggestions to help the system optimize.

## Technical Support

---

If you encounter search problems or need technical support, please contact:

**OBARA (NANJING) MACHINERY & ELECTRIC CO.,LTD. IT Department**

- Email: [gaoj@obara.com.cn](mailto:gaoj@obara.com.cn)
- Tel: (025)52106195

---

*Last updated: December 2025*