

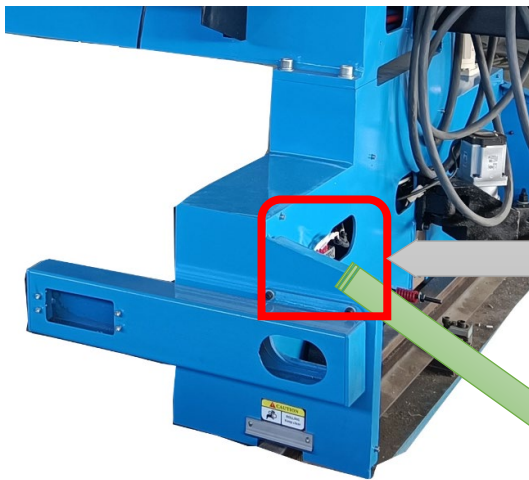
Service Support Spirit

How to connect MAX200 with X-PRO

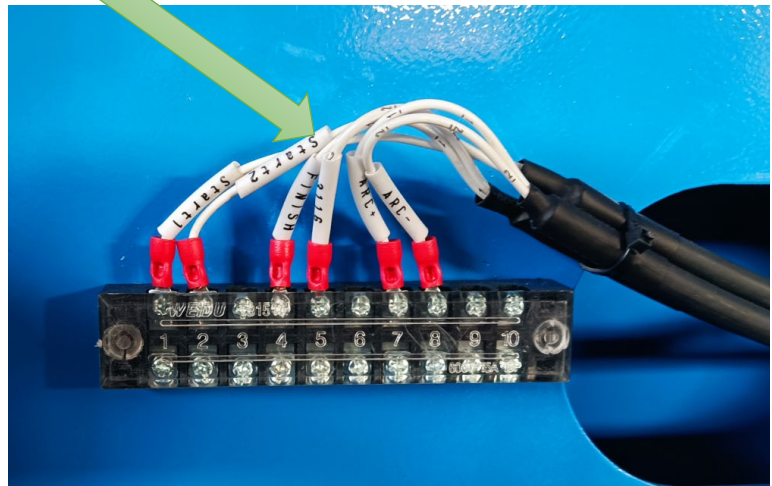
◆ The MAX200 connect to X-PRO, 6 wires need to be connected.

◆ Machine connect terminal:

| Machine | Aviation plug | Terminal No. | Description |
|------------------------|---------------|----------------|--|
| X-PRO connect terminal | 2-core | START | The CNC plasma arc initiation signal |
| | | START | |
| | 2-core | TRANS/FEEDBACK | Notifies the CNC that an arc transfer has occurred |
| | | TRANS/FEEDBACK | |
| | 2-core | ARC+ | The CNC arc voltage signal |
| | | ARC- | |



Y1-axis trolley



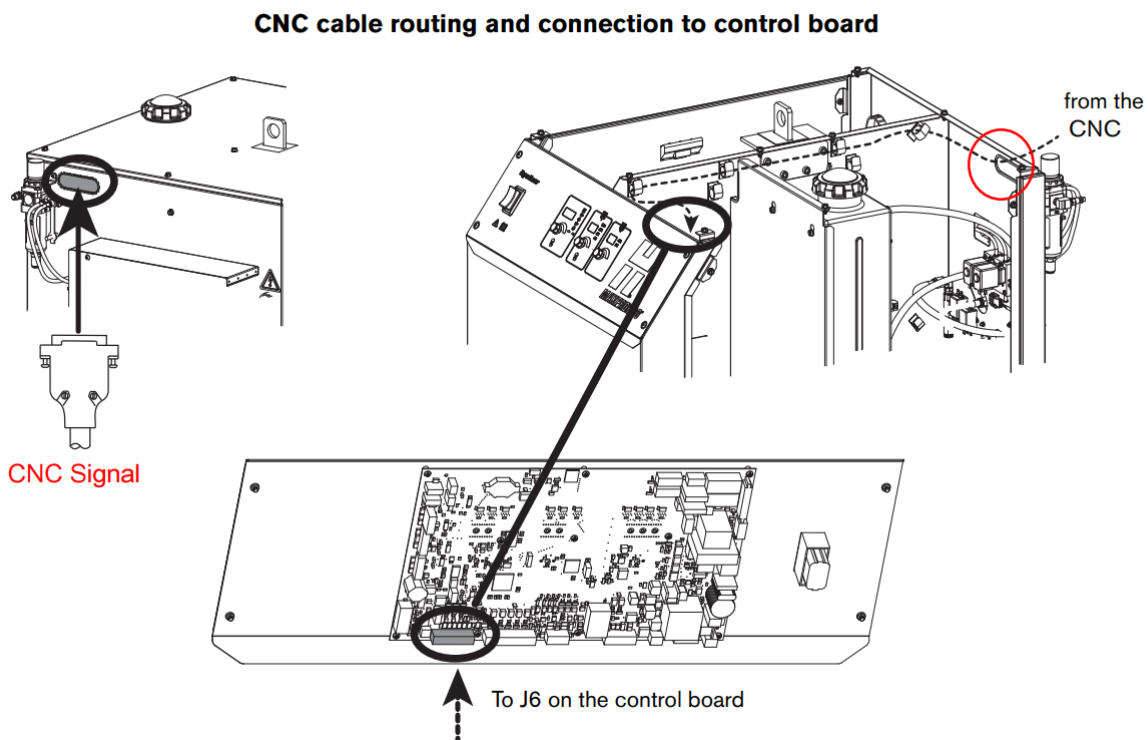
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◆ MAX200 connect terminal:

Note: The customer needs to connect the power cable according to the actual plasma models.

| Power supply end | | | | | CNC end | |
|------------------|------------|--------------|-------------|--|--------------|----------|
| Wire color | Pin number | Input/Output | Signal name | Function | Input/Output | Notes |
| Orange | 1 | Input | Start + | The CNC initiates preflow, and if the hold input is not active, continues with the plasma arc. The system will stay in preflow if the hold input remains active. | Output | Start |
| White | 2 | Input | Start - | | Output | |
| Brown | 3 | Input | Hold + | The CNC delays plasma arc initiation. This signal is normally used in combination with the start signal to synchronize multiple torches. | Output | 1 and 3 |
| White | 4 | input | Hold - | | Output | |
| Black | 5 | Output | Motion + | Notifies the CNC that an arc transfer has occurred and to begin machine motion once the CNC's pierce delay has timed out. | Input | feedback |
| White | 6 | Output | Motion - | | Input | |
| Red | 7 | Output | Error + | Notifies the CNC that an error has occurred. | Input | 2 |
| White | 8 | Output | Error - | | Input | |

J6 Interface location:



◆ Plasma source original arc pressure position:

1. Turn OFF all power to the system.

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◆ Cable connecting method:

| | Terminal No. | Corresponding interface of MAX200 | The interface position |
|------------------------|----------------|-----------------------------------|------------------------|
| X-PRO connect terminal | START | 3 Input Start | MAX200 Interface |
| | START | 4 Input Start | |
| | TRANS/FEEDBACK | 12 Output Transfer | |
| | TRANS/FEEDBACK | 14 Output Transfer | |
| | ARC+ | Positive electrode (work--J2) | |
| | ARC- | Negative electrode(--J7) | |

◆ Connect the machine to the plasma signal with terminal blocks:

