MF Eco machine Certification System Registry (Sheet Metal Forming Machines)

Register:Dec. 6, 2024 Changed:May. 19, 2025

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|--|--|--|---|----------------------------------|--|--|----------------|-----|
| Certification number & Registered product | | MF2-B012(1/3) Fiber Laser Welding Machine | | Product scope | FLW Series | | | |
| Registered company | | AMADA CO. LTD. | | Certified product | FLW6000ENSISe, FLW3000ENSISe, FLW3000 | | 00Le | |
| Production of criteria-base product | | Dec., 2006 | | Criteria-base product | YLR1500 | | | |
| Requirements & Environment factors | | Evaluation item | Criteria | Evalua | aluation result and/or remarks | | | |
| (1) Esse | ntial requireme | nt | | | FLW6000ENSISe vs YLR1500 III | | ENSISe 1500 | VS |
| | Energy consumption | Reduction ratio | 40% or more reduced | 70% | | 69% | | |
| Energy saving | | | | FLW3000Le vs YLR1500III | | | | |
| | | | | 81% | | | | |
| | | | | based on JFMA criteria | | | | |
| (2) Selective requirement | | | | | | | | |
| (2) Selec | ctive requiremen | nt | | | | | | |
| (2) Selec | ctive requirements | nt Safety sta | ndard | | | X | | |
| (2) Select | Safety Hazardous | | | | | X X | | |
| Environment | Safety Hazardous | Safety sta | teria | | | | | |
| Environment conservation | Safety Hazardous materials | Safety sta JFMA cri | teria | | , | X | | |
| Environment conservation Minimum rec (3) Rec | Safety Hazardous materials EMC um selective | Safety sta JFMA cri Applicable re | teria egulation more | effects on en | 3 it | X X ems | n reduct | ion |
| Environment conservation Minimum rec (3) Recurrence | Safety Hazardous materials EMC um selective quirement ommendation quirement rgy saving, | Safety sta JFMA cri Applicable re 3 items or | teria egulation more | | 3 it | X X ems ntal burde | n reduct | ion |
| Environment conservation Minimum rec (3) Recurrence | Safety Hazardous materials EMC um selective quirement ommendation quirement rgy saving, bility, long life, lay/management | Safety sta JFMA cri Applicable re 3 items or Names of equipped | teria gulation more Summary of | velding area to | 3 it | X ems ntal burde | | ion |
| Environment conservation Minimum rec (3) Recurrence | Safety Hazardous materials EMC um selective quirement ommendation quirement rgy saving, bility, long life, lay/management ovironment info., ation/noise, | Safety sta JFMA cri Applicable re 3 items or Names of equipped Partition | teria gulation more Summary of Shielding the v | velding area to | 3 it | X ems ntal burde vorkers | | ion |
| Environment conservation Minimure (3) Recorect (3) Recorect Eneror dura display of er vibra emis | Safety Hazardous materials EMC um selective quirement ommendation quirement rgy saving, bility, long life, lay/management nvironment info., | Safety sta JFMA cri Applicable re 3 items or Names of equipped Partition Dust collector | teria egulation more Summary of Shielding the v Maintaining the | velding area to working envir | 3 it | X ems ntal burde vorkers vithin the partitions | artition | ion |

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|---|---------------------------------------|--|--|----------------------------------|----------------------------|
| Certification number & Registered product | | MF2-B012(2/3) Fiber Laser Welding Machine | | Product scope | FLW Series |
| Registered company | | AMADA CO. LTD. | | Certified product | FLW1500MT |
| Production of criteria-base product | | Feb. 2009 | | Criteria-base product | YLM500P2 |
| Requirements & Environment factors | | Evaluation item | Criteria | Evaluation result and/or remarks | |
| (1) Essential requirement | | | | FLW1500MT vs YLR1500P2 | |
| Energy | | Reduction ratio | 40% or more reduced | 89% | |
| saving | consumption | | | based on JFMA criteria | |
| (2) Sel | ective requireme | nt | | | |
| esource | Compactification | Installation area | 10% or more reduction | 23% | |
| Resource saving | Lightweight | Total weight | | 89% | |
| | Safety | Safety standard JFMA criteria | | X | |
| Environme conservati | | | | X | |
| | EMC | Applicable re | gulation | X | |
| Minimum selective requirement | | 3 items or more | | 5 items | |
| (3) Recommendation requirement | | Names of equipped | Summary of effects on environmental burden reduction | | |
| Ener dura displ of er vibra emis | nergy saving, rability, long life, | Partition | Shielding the welding area to protect workers | | |
| | play/management environment info., | Dust collector | Maintaining the working environment within the partition | | |
| | oration/noise, nission | LED lighting | Energy saving with LED lighting inside partitions | | |
| | tmosphere, soil) | AI-TAS | Al-based automatic correction system for teaching | | |
| Minimum recommendation requirement | | 3 items or more | 4 items | | |

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| Certification number & Registered product | | MF2-B012(3/3) Fiber Laser Welding Machine | | Product scope | FLW Series | |
| Registered company | | AMADA CO. LTD. | | Certified product | FLW1500MTS | |
| Production of criteria-base product | | Feb. 2009 | | Criteria-base product | YLM500P2 | |
| Requirements & Environment factors | | Evaluation item | Criteria | Evaluation result and/or remarks | | |
| (1) Essential requirement | | | | FLW1500MTS vs YLR1500P2 | | |
| Energ | . | Reduction ratio | 40% or more reduced | 85% | | |
| savin | g consumption | | | based on JFMA criteria | | |
| (2) Se | lective requireme | nt | | | | |
| urce | Compactification | Installation area | 10% or more reduction | 23% | | |
| Resource saving | Lightweight | Total weight | | 89% | | |
| | Safety | Safety standard | | X | | |
| Environm conservat | | JFMA criteria | | X | | |
| | EMC | Applicable re | gulation | X | | |
| Minimum selective requirement | | 3 items or more | | 5 items | | |
| (3) Recommendation requirement | | Names of equipped | Summary of effects on environmental burden reduction | | | |
| I I. | nergy saving, urability, long life, | Partition | Shielding the welding area to protect workers | | | |
| wironment fact of e wiscomment act of emi | splay/management environment info., | Dust collector | Maintaining the working environment within the partition | | | |
| | bration/noise, mission | LED lighting | Energy saving with LED lighting inside partitions | | | |
| | tmosphere, soil) | Torch contacted workpiece | Stable operation reduces defects | | | |
| Minimum recommendation requirement | | 3 items or more | 4 items | | | |