Solves aquaculture problems at a stroke
UR30ST copper alloy wire for aquaculture

UR30ST benefits

Problems encountered with nets in aquaculture

- Fouling and adhesion of algae and shellfis
  - Outstanding antifouling property
- High maintenance cost
  - Virtually no net cleaning
  - No anti-fouling paint
  - Reduced anti-biotic treatment
- Environmental impact
  - 100% recycled at end of life
  - Environment friendly
- Poor growth
  - Faster growth
  - Higher productivity
  - Less mortality
  - Less feed

Installed worldwide—UR30ST

Since 1998, UR30ST has demonstrated outstanding antifouling property, durability and established highly trust around the world

MITSUBISHI MATERIALS CORPORATION

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April, 1, 2020 Revised.

UR30ST

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copper alloy wire for aquaculture

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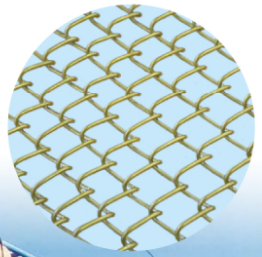
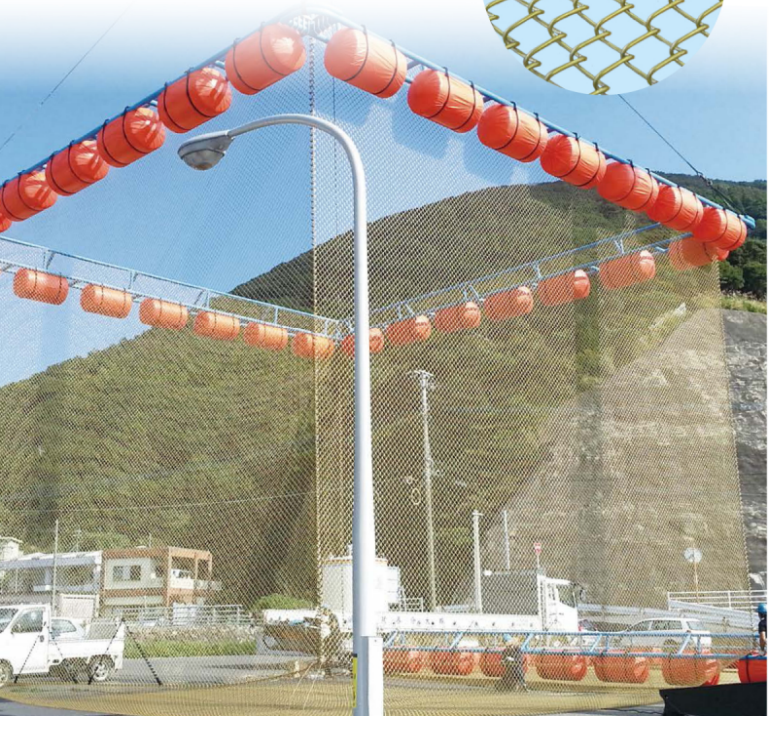
UR30ST

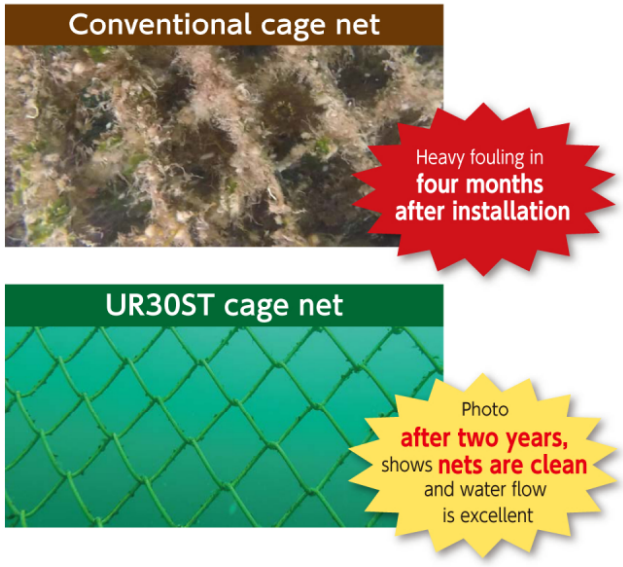
UR30ST Copper Alloy nets naturally inhibits fouling, enabling increased water flow and higher oxygen level while reducing opportunities for parasites and pathogens to grow and infect the fish.
High structural strength and robustness maintain cage volumetric stability and protect against predator attacks.
Healthier environment promises faster growth, resulting in reduced feed and less use of antibiotics.
These properties lead to better productivity and higher economic benefits and the alloy is recycled back to UR30ST at end of life.
UR30ST is patented with over two decades of experience and global sales.





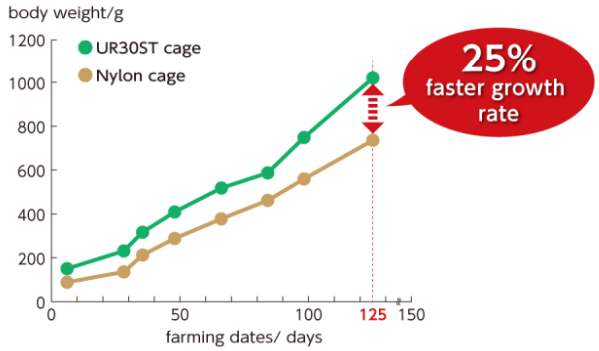
◆Excellent antifouling properties

UR30ST prevents adhesion of algae and shellfish



◆Improves growth rate

Comparison of UR30ST cage and conventional net cage for 125 days



※farmed fish: Yellow tail
The test results obtained in collaboration with Kagoshima University
(Growth speed improved by 25% or more)

◆Reduced running cost

Reduces maintenance cost

- Antifouling property reduces cleaning costs Cost of divers, cleaning, antifouling coating and net change costs are all reduced.
- Reduction in fresh water or medicated bath wash treatments

Significant reduction in mortality rate

- 10% reduction with Chilean salmon

Reduction in feeding cost

- Faster growth rate reduces feeding cost
- 8% FCR* improvement demonstrated in Chilean salmon farms
  *Feed Conversion Ratio

Robust metal cage

- Reduces the deformation by water drag, and maintains the cage volume
- Stops predator losses without harming

◆100% recyclability of UR30ST

Sustainable future in aquaculture through effective use of resources, fully recyclable UR30ST cage

- Used mesh can be recycled back
- Recycled to a new mesh
- Reduction in disposal and land fill costs

*Durability and effectiveness will depend on the environment set