Clarification of vinegar by Ceramic Membranes

Background
The processing method of brewing vinegar is divided into two types, solid and liquid fermentation. Solid fermentation method is mainly been adopting at present according to the traditional food habit, but it caused easily miscellaneous microorganisms polluted, product became muddy, deposited and hygiene and sensory organ influenced seriously.
Filtration is essential to clarify table vinegar in view of present production method, micron and submicron suspended particles come into being and polymerize after treating some vinegars with traditional filter way.

Advantage of ceramic membrane process
• Obtaining of a clear filtrate, improving transparency clarity pf product;
• The turbidity of permeate is the range of 0.2~0.8NTU;
• No discharge of filter aids;
• To keep original saline matter, amino acid, total acidity, reducing sugar and other effective ingredients;
• To remove bacteria, macromolecular organically matter, suspended solid and some poisonous matters;
• To be in a accord with “GB18187-2000 solid fermentation” standard for sensual and microorganism index;
• To get a bright tint, a sterling fragrance, have no change of non-volatile acid and soluble non-salt solids content;
• To substitute the raw vinegar to all the traditional clarification operations (collage, decantation, diatoms filtration, plates and polymer membranes);
• Low operation cost, compact, maintain conveniently;

Nanjing Tangent Fluid Technology Co., Ltd, a high-tech company for liquid separation in process industry, has cooperations with domestic institutes and European famous membrane companies for membrane technology. Tangent Fluid has a manufacturing plant and R&D center in Nanjing, where we can design and manufacture filtration equipments of Microfiltration/UF/UF/NF/Reverse Osmosis, and make research and development for new process and technology based on membrane process. Tangent Fluid has also invested to another modern producing plant in Shanghai for ceramic membranes production, with a whole set of equipment like Vacuum Pugmill, Extruder, Oven, Full Automatic High Temperature Furnace, and Testing Machines. All raw material is high quality from domestic and abroad Porous ceramic membrane filter with 'first grade quality' could be manufactured under our unique technic and strict quality control system. TFT has a professional management and technical team with many years of experience in membrane industry. As you require, we can offer you high quality membrane products, special and painstaking technical service like evaluation, design, installation and commission. You will find a solution in Tangent Fluid!
We appreciate cooperation with you on membranes!